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NEWS
     3 Oct 09
                 Index
NEWS
      4 Oct 09 Number of Derwent World Patents Index updates increased
NEWS 5 Oct 15
                Calculated properties now in the REGISTRY/ZREGISTRY File
NEWS 6 Oct 22 Over 1 million reactions added to CASREACT
NEWS \, 7 Oct 22 DGENE GETSIM has been improved
NEWS 8 Oct 29 AAASD no longer available
NEWS 9 Nov 19 New Search Capabilities USPATFULL and USPAT2
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NEWS 13 Nov 30 Files VETU and VETB to have open access
NEWS 14 Dec 10 WPINDEX/WPIDS/WPIX New and Revised Manual Codes for 2002
NEWS 15 Dec 10 DGENE BLAST Homology Search
NEWS 16 Dec 17 WELDASEARCH now available on STN
NEWS 17 Dec 17 STANDARDS now available on STN
NEWS 18 Dec 17 New fields for DPCI
NEWS 19 Dec 19 CAS Roles modified
NEWS 20 Dec 19 1907-1946 data and page images added to CA and CAplus
NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,
              CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),
              AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
              STN Operating Hours Plus Help Desk Availability
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Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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STRUCTURE UPLOADED 1.1

=> dL1 HAS NO ANSWERS

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Structure attributes must be viewed using STN Express query preparation.

=> s 11 ful FULL SEARCH INITIATED 16:22:10 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 9636 TO ITERATE

9636 ITERATIONS 100.0% PROCESSED SEARCH TIME: 00.00.06

249 ANSWERS

249 SEA SSS FUL L1

=> s 12 and caplus/lc 20179634 CAPLUS/LC 240 L2 AND CAPLUS/LC 1.3

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L5 STRUCTURE UPLOADED

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L5 HAS NO ANSWERS

L5 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s 15 ful FULL SEARCH INITIATED 16:23:17 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 9636 TO ITERATE

100.0% PROCESSED 9636 ITERATIONS SEARCH TIME: 00.00.03

232 ANSWERS

L6 232 SEA SSS FUL L5

=> s 16 and caplus/lc 20179634 CAPLUS/LC L7 223 L6 AND CAPLUS/LC

=> s 16 not 17 L8 9 L6 NOT L7

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FILE COVERS 1907 - 18 Jan 2002 VOL 136 ISS 3 FILE LAST UPDATED: 16 Jan 2002 (20020116/ED)

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=> s 17 L9 58 L7

=> d 1-5 ibib abs hitstr

ANSWER 1 OF 58 CAPLUS COPYRIGHT 2008 A 18 SECON NUMBER: 2001:994464 CAPLUS MENT NUMBER: 136:3044 ACCESSION NUMBER: CONTINUENT NUMBER: licino344
Fridantino di derivatizes him derine lant nes and
their auticlis dies and their uses in pharma-restrict
Zimp sitions
Quay, Steven C.
Fryuay Enterprises, LLT, VSA
FT Int. Appl., 85 pp.
TODEN: PIXXII
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Fatent TITLES inventor(S): PATENT ASS:GNEE(J): SCYRJE: COMMENT TYPE: LANGUAGE: FAMILY ACT. NUM. JUUNT: LATENT INFORMATION: PATENT NO. KIND DATE APPLICATION NI. DATE

994543 A2 20011213 W0 2001-9517212 20010525 AB, AB, AL, AM, AT, AM, AZ, BA, EB, PG, BF, FY, FE, TA, TH, W.: 2001094543 ~N 70, CF, CO, CZ, DE, DK, DM, BZ, EG, EE, ES, F1, GB, GB, GE, ж. SM, HR, HO, ID, IL, IN, IS, JF, KE, KS, KF, KF, F2, L7, LK, LR. LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, ND, NZ, FL, FT. RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TE, TI, TZ, VA, UG, 115. UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, US, ZW, AT, BE, CH, CY. CE, CK, ES, FI, FR, GE, GP, IE, IT, LT, MT, NL, PT, SE, TR, BF.

BE, BS, CF, CS, CI, CM, GA, GN, CW, ML, MR, NE, SN, TD, TG PRICRITY APPLN. INFO.: PS 2000-587116 A 20000602 AB The present invention provides analyse of subliminary miles that are derivatized to allow their attachment to ther miles and surfaces. Libraries of the automobiler analyse are also contemplated. Also contemplated. Also contemplated.

are methods for using the compds. If the invention to produce

such as immunic-njugates, antibodies and vaccines, which are useful

treating and preventing disease states, such as microbial infection,

subject. The compast of the invention are also useful in various assays, including assessing the autoindurer load in a subject. IT 380228-15-9 380228-22-8

RL: RCT (Reactant): SPN (Synthetic preparation): PREF (Frequestion): FACT

(Readtant or readent) (preps. and debenzylation of for preps. of autimoducer)

19 ANGWER 1 OF 58 CAPLUS CUPYRIGHT 2002 ACS ("Outsine+1)

389228-23-9 CAPDUS Tetradebancis and, 11,14-350x.-14-[[(39)-tetrahydr-2 cx.-3-foranyl]amin [.990) (CA INDEX NAME)

Absolute stere themistry.

LS ANSWER 1 OF 59 CAPLES TOFFELDET 2002 And (1 billion), RN 36028-16-9 CAPLES
TO HEADOLD AND, to An 6 [[(SS)-tetrabydrous x on-torasyllamon)], phenylmethyl ester (9/1) ("A INTEX NAME)

Aks dute stere themistry.

380125-12-6 (MALOUS Tetrade an is avid, 11,14-dirx -14-[[[35]]-tetrahydr. 2-x forasyl]amin.[-, phenylmethyl ester (931). ("A INDEX NAME)

Arsolute stere chemistry.

IT 380228-16-0 380228-23-9

Government Severnment (Analyte): ARG (Analyte): W) reasent use): FAJ (Fharmaniki): W) artivity): SIN (Synther): preparation; THY (Therapeutic use): ANGT (Analytical study): FIOL (Birl.; i.al attrivit: EREP (Preparation: "USES (Tsee))

/pr dn. of derivatized homoserine lastines (autoindurer analogs)

their antib dies and their uses in tharmaceutical compast,

their accounts
variables,
and assays)
RN 360226 16-0 CAREUS
TN Hewanic and, 6-ix,-6 [[(08)-tetrahydrolox 3-furanyl]amin.]- (941)
(TA INDEX NAME)

Le ANSWER 2 of 58 CAPLUS TORYRIGHT 2002 ACS
ACCESSION NUMBER: 2091:747774 CAPLUS
COCHMENT NUMBER: 135:29057
TITLE: Frequention of immunosurpressunt Nearly bomoserine
latines
INVENTOR(S): Bygrift, Barrie Walshams Frithmend, David Idries
Chaber, Siri Name Heil, Green
PATERT ASSIGNEE(S): Winversity if Nettingham, UK
FT Int. Appl., 37 pg.
COCHMENT TYPE: Capture Paterts
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Fortung Type Paterts
Fortun

DOCUMENT TYPE:

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

FATENT NO. KING DATE APPLICATION NO. DATE W3 2001074801 A1 20011011 W2 2001 381445 20010329 W: AE, AG, AL, AM, AT, AO, AZ, BA, BB, PG, EP, BY, FZ, "A, CH,

٦N, TO, TR, CT, TZ, DE, DK, DM, DZ, EE, ES, F1, SE, GD, SE, SH, зм,

HR, HO, IL, IL, IN, IS, OF, KE, KS, KF, KR, KZ, LO, LK, LR, 1.5. LT, LU, LV, MA, MD, MD, ME, MN, MW, MX, MZ, ND, ND, F1, FT,

F. . FU, SD, SE, SG, SI, SK, SL, TJ, TM, TK, TT, TZ, MA, MG, MS, 07.

VN, YP, RA, EW, AM, AD, EY, KB, KB, MD, AP, TE, TM RW: BH, SM, KE, LB, MW, MD, SD, SL, SE, TE, YB, ZW, AT, BE, BH,

DE, DE, ES, FI, FR, GE, SE, IE, IT, LY, MY, NL, ET, GE, TR, bF,

BY TE, CE, CE, CE, CH, CM, GA, SN, TW, MC, MR, MR, MR, SN, TD, TE
FRICEITY AFELS: THE 2000 TERM A 20000380
THER NUMBERS: MARKET 135:289057

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marker yl
r mail or ope OF is not fix didens ylli were preptuas
issum suppressants. Thus, freating nonan anade with Melimosts and

19 ANSWER 2 of 59 CAPLES COPYRIGHT 2002 ACS (Continued the presence of 4 dimentivismin pyridice and 1.7 divyel-be-sylvanor climine in CH2C12 jave none yl Meldromia and, which with 0-nom merine.

The hydrichlorise in MeTN in the presence of EtAN siff ried N (A) x (undecarry)) behomogenine labtime. The product showed IMSC \approx

.mu.M trinhibitiv. f C.n.A induced murine splendryte prinferation. 17 21596-73-59 364749-82-69 364749-84-89 364749-66-09 364749-88-29 364749-90-69 364749-91-79 364749-97-39 364749-98-49 364749-99-59 364750-00-59 364750-01-69 364750-02-79 364750-03-89 364750-04-99 Rb: PAC (Birl) punil attivity a effect to except adverse-2 CEN (Synthetic gregaration) truth without.

INDEX NAME)

Absolute stere chemistry.

NN 364749 82-6 CAPDUS CN 96destamade, llibr m -3- ∞ -N+[(45, tetrahydr -2 ∞ 3-furanyl]+ (901) (CA INDEX NAME)

(CA INDEX NAME)

Als lute stereochemistry.

364749 91-7 CAFINS Tetraderannit acid, 12.14-dirx:=14-[[(35]-tetrahylic 2 ∞ = 6-furanyl]amino]-, methyl ester (27)- ∞ A (NDEX NAME)

Abs lute stere, themistry.

EN 304749-97 3 CAPEUS
(N O'decanamide, 12 by Ir.xy-3 x -N (033)-tetrahydro Ir.x -3 foranyl)
(901)
(CA INCEX NAME)

Abs lute stere chemistry.

Ara lite atere themistry.

is answer 2 of 56 Carlos Cofyright 1962 ACC (Continue)

NN = 0.6476476445 CAPLUS NN = 0.0666464 (APLUS N = 0.06664 N = 0

Ats lute stere themistry.

RN - 364749-86 C - CAELYS CN - Endermanante, 12 brome-Perks N [USS)-tetrahydr - 2- x -3 furanyl] (NII) (FA INCEX NAME)

Absolute stereochemistry.

BN 364749-88-2 CALLUS
TN Tride consmide, 13-kr/ms-2 -x* N-[(38) -twtrabydr--2--x** 3-furanyl]
('Allubex NAME)

Abs lute stereichemistry.

L9 ANSWER 2 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

RN - 364749-39-5 "AFIUS CN - Tetradecanamide, 3-hydroxy N-[(30)-tetrahydro-20 x -3-furany1] - (9.7) - (CA INDEX NAME)

Absolute stere.chemistry.

EN 364050-00-5 CALLUS N 364050 Potential de, \times by in xy N (3200 tetrahydr , , x>0 for anyll EN 1-Tellul. (977) (TA INDEX NAME)

Absolute stere themistry. Double is ad detmetry tanks was

(Hg) ((Hg) s (He) s (He)

C'A INDEX NAME

Ara lite stere inemiatry. I able bind to metry unon woo

19 ANSWER 2 OF 58 CAPIUS COEYFIGHT 2002 ADS CO-mitings to

EN (64759-01-7 CAPLUS IN 10-Tetrade renamise, 3-thydr xy N+((00) tetrah)di (0 \times 0 + 3-furany1)+(901) (CA INDEX NAME)

And dute stered themistry. Bouble bond geometry unknown.

NN 164750-03 8 CAFLUS TW 11 Tetradecemente, 3 hygr.xy N ($\langle 3 \rangle$) tetrahydr 3 x $\cdot 3$ turanyl)- $\langle 3 \rangle$ ("A INDEX NAME)

Abs lute stereochemistry. Double bond je metry onknown.

RN 364750-04-9 CAPLUS TO 19fetradelensmide, 3-bydr my N [(35)-tetrahydr: 2- \times -3 furanyl]-(351) (CA INDEX NAME)

L9 ANSWER 2 DE 54 CARLOS CURYFIGHT 1982 AND (Continued Absolute stere chemistry.

REFERENCE TOUNT: REFERENCE(S): CALL'S

(1) Thhacrs, St J ANTIBUST 1995, V46-30, E441

(C) Eberhard, Ar AR HIVES IF MITKINI LIGY 1966, VIA6(1), PSS CAPIUS
(S) Lyouh, My WI 9027786 A 1999 TABLUS
(4) Fears N. S: US 5581972 A 1997 CAPIUS
(5) Scripts Clinds Deep Eb 604243 A 1963 CAPIUS
ALL CITATIONS AVAILABLE IN THE FE PLAMAT

PATENT NO. KIND DATE

JE 2001247559 A2 20010911 ##PLICATION NO. DATE

The title rimpd. (I), an inhibit riof anylated Dramin-limma. butyrelast ne-kinding protein of gramshes, basteria, is manded with aphinosminas by ferms. The Dramine shems synthesized by Jehydrating roundemastics of (Resabydrayhpetia) is and and (S) Dramin-lymmas-butyrelastine. I is useful for inhibition of basterial simple transdution.

358359-35-0P

IT 358359-35-OP

RLD REN (PolicyAthetic preparation): SPN (Synthetic preparation): BICL (Bibliotical study): FREP (Preparation) of the control of the contro

("A INDEX NAME)

Als lute stere themistry.

L9 ANSWER 3 OF 58 TAPLUS COPYRIGHT 2002 ACC (Continued)

In ANSWER 4 F ER CAPING COPYRIGHT 2002 ACC ACCESSION NUMBER: 2001:85478; CALLOS TITLE: Synthesia uniin site encyme sciumity i aca, Kalani this perivatives if raderial ell-wall Fi synthesis titermediares
P.M. Russell Dis Wann, Faul S. H.
S.H. I of Chemistry, University of Frist I, AUTHOR(S): TIPPIPATE SOURCE: Clifton, Brist 1, BSS 1TS, "W" Tornal of the Themical Schiety, Ferkin SchRom: Transanti ne 1 (2991), (17), 2002-2834 VEEN: USE'E, ISAN: 1492-7961 R yal Somety of Themsetry Journal PUBLISHED: A pain to a second process of themsetry comment type: Source of themsetry comment type: Source of themsetry comment type: Source of the second process of the second were designed using knowledge of its surfactor specificity and mechanism. Synthesis of this/lester and amide substrate analyse was achieved prior to prior to in with inhibition studies, but ester analysis prive to instable to isolate. This substrate analysis showed in inhibitory priparties, but the but the algorithm and pulsars and pulsars and substrate analy 12a showed reversible inhibition vs. CAP-AT and time time dependent inhibition in the atmember of the natural substitute 4. Substrate analog 12a is the first example of an amide inhibit of PDF dependent. enzymes. Antibirtic properties of were also brivily assessed. IT 382802-03-1P 1: J82802-03-1P
REL BYP (Pyproduct); PREF (Preparation)
(synthesis of and in vito inhibition of diamin-pipelate aminotransferage activity by abs., "No and this shall be italities.") taiterial
cell wall biosynthesis intermediates;
RN = 382602-04-1 CAPONS
TN = Butanic acid, 4 ox -4-(((32) tetrahydr.-2-ox -3-furanyi]amin [-(301) (CA INDEX NAME) Absolute sterenchemistry.

L9 ANSWER'S OF 58 CAPLUS COEFFICHT 1002 AUS
ACCESSION NUMBER: 0001:612412 CAPLUS
0000:0001 NUMBER: 136:35639
TITLE: 9+001:000
Hapm dynamic offects of the batterial quotum
sensing sensing sensing with the MacCook Authority Visible sensing signal moderate, N= $(3-\infty,3)$ decompy()=1.5 moderate last me, in constitute, normal and end towards rats AUTHOR(S): Williams, Gardiner, S. M.; Chhakra, S. R.; Harty, C.; P.s Fritchard, B. I.s Byer ft, B. W.s bennett, T. School of Birmedical Sciences, - Queen's Medical Centre, University of Nettingham, Nettingham, CORPORATE SCURCE: NG7 20H, OK

SOURCE: British Journal of Pharmac Long (2001), 133(7),
1047-1054
CCENS EJPCRMS ISSN: 0007-1185
FURDISHER: Nature Publishing Group
EDCUMENT TYPE: Unital
ABNOVACE: English
AB N-anyll momerine lattones (AHCs) are small, diffusible signaling
mulss,
employed by Jram-her, bacteria to a riduate lens expression with ... propolation d. Rement in wift findings indicate that AHCs may found in $\alpha \sigma$ function as virulence determinants per se, through modification of cytokine production to relia, and by stimulation the relaxation of El of els. In the present study, we assessed the influence of AHLs on invasible resent study, we assessed the influence of AHLs on invasible rate, and draw attention to the acclisty of the New York with the acclisty of the New York with the New York w produced by P. aerugionsa, to hause marked knadyhardia. This bradyhardia chards: effect was Elliked by ath pine and atentics, and did bit consuming vitr .

Furthermore, modification of the anyl side than length resulted in I as if activity, whereas remival if the him serine last be ring, did not.

The knady mards reffect if A ix -012 HSD was also lest in end tixems animals, alkest attenuated. In normal rats, 3- xc-012-HSD marged initial. mesenterin and bindquarters was - notrintin, but only slight, and yed Signs of was dilatation in the lenal and merenterio was olds reds. Furtherm re, administration of the world-DDD sprectnestment or 2 h g at treatments to lether with LDD, did not modify the established and: hemodynamic effects of the DFS, 6 boldter the loset of its influe, ω Eservations does the route any observation set from ability of $x \sim 100~HS2$ to modify the hemodynamic responses to LES infinite.

19 ANSWER 4 OF 58 PAPERS SUPPRISHED 2001 APP (1) https://doi.org/10.1006/j.com/standed.

REFERENCE (S.UNT: REFERENCE(S): 189

92 | Di Apples n. Dr. 1 Them 3 t. Ferkin Trans I 1996.

'AFORC (3. Baldwin, 7s 7 Them C t, Ferkin Trans 1 1989, 1835

CAFU'S (4, Baliwin, 3) Tetrahedrin 1983, V46, 36:39 CALIUS

(5) Fr wo, Fr J Med Them 1994, V37, E-74 CAPLUS (6) Bugg, Tr Nac Frid Rep 1992, V3, P139 CAPLUS ALL CITATIONS AVAILABLE IN THE RE FURMAT

ANSWER 5 OF 56 CAPLUS COLYMISHT 2002 ACS $_{\odot}$ (Continued). However, they are not inconsistent with the hypothesis that some if card: vascular sequelse of bacterial infection may be modulated by an influence of bacterial quorum sensing signaling muls. On the bost-

216596-73-5 Bir ATV (Adverse effect, including toxidity): BSV (Birlinial study, unclassified): RAT (Bharmac.legical activity): PRE (Br pertise): BICL (Birlinial study) (Imparts in hemodynamic effects of the Kanterial quirum sensing

angual mel., $K^{\perp}(3)$ -send decambell) L-hum merine last ne. in common screen

normal and end to xemp rate)

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NN D-deparamide, 3-hydroxy-N-[{3S}-tetrahydr -2-cx -3-furaty]} - {9CL.}

INCEX NAME.

Aks lute stere obemistry.

REFERENCE CONTINT:

34 121 Di Mani , Es 1 71:0 Jovest 1995, V96, F2204 3) de Elevit, Tr Infect Immun 2006, V68, E4+39

CAF LUS (4) Friedman, W/ / Am 7 11 Tard: 1 1995, V26, £305

E) Bardiner, Ox Am 1 Ebymin 1 1988, Vacc, EB913 'AF LUS

7 | Santiner, Jr Am | Physic 1 1989, V.SA, FR330 'AFL''S

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LO ANSWER 6 IF 56 TAPLUS COPYRIGHT COOL ATS A THESE IN NUMBER: 1001:430358 CAPLUS COTTUBERT NUMBER: 155:177403 Institutions Applies
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The Company of the Company of the Company Facility (Company Facility)

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In sensors, indicating the presence of an additing organisating the presence of an additing organisating various in V. anguillarum. In this study, we have characterized this second system. system.

Yours high-pressure liq. throat p. in cognition with mass spectr metry and them, analy, we identified tw. addn. ARLs as Normanian to (CoHECL) and No-Coheck was defined by decided last be (CoHECL) and No-Coheck with the decided ARL present to stationary-phase V. animiliarum spent bulture supernatants indicated that that how.-010-Hol. 3-hydroxy-06-Hol. and 36 Hol are present at uppt w. 8.5, 9.5, and 9.3 MM, resp. Furthermore, vanM, the yene responsible for synthesis of these AHLs, was characterized and shown to be homely rus to) is to the lumb and lumb genes, which are required for the product of No(2-byid wyrotten y1) has define listing in Virio harveys. However, resemble ting of the V. harveys lumb/lomb gunsticn revealed a sequenting error present in the published sequence, which when the resulted in single pen reading frame (termed BuxM). Demostream of vanM, we identified a himol r of BuxM (vanM) that enodes a hybrid sens r kinase which forms part of a phosphirelay mascade involved in the ation of

L9 ANSWER 7 OF 58 CAPIMS COLYRIGHT 2002 ACS
ACCRESSION NUMBER:
DOCUMENT NUMBER:
134:852246
134:852246
Novel better cyclin comprode and their use as medicines
INVENTICE(S):
Accord. Serie: Chabrier De Lassaudiere, Pierre-Ettenne Patent Assignée(S): Somete De Conseils De Recherches Et Scientifiques (S.C.A.A.S.), Fr. FCT Int. Appl., 77 pp. COORN: FIXXD2 Fatent Freeth 1 D'applications SCHROE: DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. JOUNT: FATENT INFORMATION: PATENT NO. APPLICATION NO. DATE W1 2001032654 A2 20010510 W2 2000-FERGE? 20001103 W2 2001034654 A3 20010527 W1 AE, AG, AL, AM, AT, AU, AZ, FA, FE, BG, BF, FY, F2, 7A, 7H, CE, CY, CZ, DE, DK, EM, DZ, EE, ES, FI, GE, GD, GE, GH, JM, HĿ, HT, ID, IL, IN, IS, MF, ME, MS, MF, MR, ME, LT, LM, UK, IS, LT, EM, EV, MA, MD, MG, MK, MN, MW, MA, ME, N , NE, FE, FT, FL. SE, SE, SI, SI, SK, SL, TH, TM, TR, TT, TZ, MA, MI, MC, MZ, YY. 2A, ZW, AM, AZ, FY, K3, K2, M0, FY, T1, TM RW: GH, SM, KE, L5, MW, M2, SD, SL, GZ, TZ, U5, ZW, AT, FE, "H,

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BI, TE, CT, CT, TM, MA, TN, GW, ML, MR, NE, SN, TD, TT

FR 2800747 Al 2010511 FR 1093-17858 19491105

FFICHITY APPLIN. INF.: FR 1003-17859 A 10931105

THER STRITES: MARKAT 1343783248

AR Nivel beteriny ill derive, which have nalgain inhibition and resentive.

Mylen species trapping activity (no data) are sepited. Thus,

Why Trix was treated with 134-2-amin bettyr land one hydroth ride, til wed by

CIRAL

DE, DK, ES, FI, FR, GF, GR, IE, IT, 11, MT, NL, FT, SE, TR,

trobh, r. 1104 (28) 6-bydr sy.N-[(30)-7-bydr sytebrabydr finan byll 2,5-5,6 betramethyl 54-bbydr sy.N-[(30)-7-bydr sytebrabydr finan byll 335007-66-00 335007-91-90 335007-91-90 4200 EB ET (bearton); TSN (dyntheti gregarati noz EFEE Gregarati bylresn, folyel betra yyll nompte, as halpan inhibit relanditrapping abenda for reactive system species:
(40000 66 6 76000 EB Calculus Sytem (40000 66 76000 EB) Constanting No. (4 phenylamin)phenyll N' [(30) tetrahydr 2 x foranyll 9-70 70 INLEX NAME

is ARSMER to DE CREATED STRING THE LIST AND CONTINUED.

it immines before in 7. harveys. A montation in varM at listed the product.

NoRML and Schydr by DE BEL. In earn, product if a x-110 BSI was at listed in the varM montant, subjection that Schydr by SchWL and

regulate the profin. If x = x + 110 HSL via vanRI. However, a vanN.

.. displayed a wild type AHD pr file. Neither mutati i affected either pr dn. i pritenses i virulence in a fish interts bom del. These data

indicate that V. animillarim p seeses a hierarchical quirom sension system consisting it regulating elements on moi post to those found to

V. fighter: (the LuxB) h mod lines VanBF and V. harveys the LuxBN hom 1 lines, VanBN . $12083 \cdot 15$

nongreporative:
(lumm N.mml) y warM from Vitri, anguillarum directs the synthesis of
N (3-hydroxyhexancyl)h m serine lact ne ani N bexan yih m serine
laction:
192883-16-2 GALVS
Hexananide, 3-hydroxy N-(135)-tetrahydrox x 3 furanyl]- .9 T) GTA
INCEN NAME

Ars lute stere themistry.

REFERENCE COUNT: REFERENCE(5): 58 (1) Aric:, Ex Firm Natl Acad Sci 1989, V86, F46V1 CAFLOS (2) Arkins o, Sr Mid Mich Fiel 1999, V88, P1267

"AF1.03

(3) Fainton, Nr Bilchem I 1992, V286, P997 (AFDMS (4) Facoler, Br. 1 Batteri (1997, V179, F4043 CULTRAC

(5) Passier, Br M 1 Minr.Eril 1993, Vo. F773

CAPLUS ALL DITATIONS AVAILABLE IN THE BE FORMAT

19 ANSWER 7 OF 58 CAPPUS COFFEIGHT 2002 ACS (Continued) Abs late steechhemistry.

EN 338907-91-9 CAPLUS CN Propunchiamide, SephenylaN([4-(phenylamin-)phenyl] N'-(1981-tetrahydro L x 3-toradyl) (901) (3 INDEX MAME.

Absolute stere chemistry.

339007 94 3 TAPDHS

Absolute stere chemistry.

C9 ANSWER 8 OF 54 TAKINS TIPYRIGHT 2001 ATS
AT ESSION NUMBER: 2001:14:649 TAKINS
D.TURENT NUMBER: 14:17:270
TITLE: chitten
INVENTOR(S): chitten
Grap, le los consis, Hit yokis Kamin, Akira
KAMIN ASSONES: 2500. K & T KK, F b., 7 kp.
COSMICS: 2500. K & T KK, F b., 7 kp.
COSMIC TYPE: PAKENT
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DOMMENT TYPE: LANGUAGE: FAMILY ACC. NUM. TO FATENT INFORMATION:

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JP 2001054779 A2 20010227 UP 1009-220512 10940215

AB Marine banteria are cultured at a law off in a medium contisideriph resident advantage of the second of the second

(CA INDEX NAME)

Absolute sterm themistry.

L9 ANSWER 9 OF 58 CAPLUS SCRYKIGHT 2002 ACS (Continued) thermal treatment of the lens and enable the immediate application

of the lens to the eye without the need for neutralization, deactivation or washing. For example, on ind-dividin ophthalmin soln, was prept. By dissolving 9,005 per ind-dividin in 10 mL distr. water, dilg. the

sylm. With a physphate buffer t. 100 mL, and adding $6.7~\rm g/cf$ NaTl and $0.25~\rm g/cf$

20023-30-6 RE: BAC (Bi lightal activity or effective, except adverse): TH9 (Therapeutic use): BICL (Biolightal attady): USES (Moss) (aphthalmic school only), antimuschial peptides for st cape,

(spithalmin: pilms, o n'), antimore fial peptides for st tage,
"leaning," and disinfertion of contact lenses)
RN 250287-30-6 CAED/S
"N | Largingmanuse, Lossieusy) | Laury/-L-projyl-L toypt phyl-L lysyl-L

try, tophyloLope [33] totrypt phyl Lotrypt phyloLope 191 Lotrypt.phyloLorentyl No [33] tetrahydro-200x $-^{2}$ -furnnyl] (22] (72] (7A INDEX NAME)

Alsolute stere themistry.

LP ANCWER 0 OF 68 CAPILIES COPYRIBHT 2001 AND ACCESSION NUMBER: 2003:84202 CHAPTES 134:32962

TITLE: i an untu Tphthalman solutions incorporation on

antimi modial

polypeptide Tuse, Danieus Mortelmans, Kristiens Hokama, INVENTOR.C): Lealie A.;

Seleted, Mithael E.: Thap y, Lawrence L.: Jurin, Mithael H.
Larie Stale Pi I by Top-rate b, VSA: CRI
Internate half The Repents of the University if
This count Wesley Peech Top rate b
PT int. Appl., 91 pp.
Patent
Patent PATENT ASSISNEE (S.)

S. URITE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. TO FATENT INFORMATION: ratent English TUUNT: 1

FATENT NO AFFILICATION NO. DATE KIND DATE WC 2000071125 A1 20001130 WC 2000-0314-098 20000523 WC AE, AG, AL, AM, AT, AT, AZ, FA, FF, FG, FE, FY, TA, TH, TV, "F., TV, 42, DE, DY, DM, DZ, EE, EE, FI, SE, SL, SE, SH, SM, HE, HT. 15, 11, 1N, 15, 'P, KE, KS, WE, KE, KE, LC, LK, LE, LS, LT, IV, MA, MD, MB, MK, MN, MW, MX, NI, NZ, FL, FT, BI, EU, SD, SE.

33, 31, 36, 31, T1, TM, TF, TT, TZ, TA, T3, T5, TZ, VN, YU,

ZW, AM, AZ, PY, YG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AŽ, PE, CH,

CY. DE, DY, ES, FI, FR, BR, GR, IE, IT, LY, MCT, NL, FT, SE, BF, B.7.

BY, CF, CS, CI, CM, SA, GN, GW, ML, MR, NE, SN, TD, TG

[BLOSHIT APELN, INPO: US 1996-318135 A 19395525
AF This invention is video a novel activative think system mutuasie for formulation in a wide variety of sphthalmode one. In particular the symph, comprises an antimum ribial peptide that is an ind in think and a buffer compatible with application to a mammalian eye, wherein the buffer

buffer is a G - d's Euffer - r the Euffer has a halide 1-6 donon. less than 0.85

with The company are useful firstering, cleaning, indicatecting a contact lens. In particular the company are self-preserving upon

Sentant letter in particular to again the storage, effective in cleaning and otherwise contact lenses upon ear, sure of the lens to the tempon, do not require the need for plays.

LA ANSWER 9 OF 58 CAPLUC COPYFIGHT 2002 APS (Cintinued)

PA3E 1-8

REFERENCE COUNT:

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(1. Alleroad Init EF CORAGE, A 1997 MARING CO. H ya Ledo E tpr EF CORRELA A 1997 MARING CO. PROF. Or TO SKREIM A 1997 MARING CO. PROF. MICHO SKREIM A 1997 MARING CO. PROF. MICHO CO. PROF. MICHO CO. PROF. MICHO A 1997 MARING CO. PROF. MICHO CO. PROF. MICHONICAL PROF. MICHOLOGICA CO. PROF. MICHOLOG

LR ANSWER 9 OF SH CHAFTES TIPYFIGHT 2002 ASS (Chintended)

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L9 ANGWER 10 OF 58 CAPTUS COPYRIBHT 2002 And (Continued) and amplituance family. HdtS may therefore constitute a member
    of s
                     third pritein family capable of AHL brosynthesis.

23734-65-9F

His BAT (Birly sical activity or effective, except advecse); FIN

(Rissynthetic preparation); PEP (Prijerties); FUR (Furification or perovery); SEN (Synthetic preparation); FLOL (Birly); FEE (Preparation)

(Preparation)

(Previous and (Judgestine FIL) produces No.(3 bydr my-7-distected energy); Judgestine last die, via Hdtd, a putative novel Neary(London energy); Perovective Programming (Programming Synthesis); Programming (
  Abs late stereochemistry.
Double bond geometry as shown.
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                                                                                                                                                   ( H<sub>2</sub>) s
  REFERENCE CC'
REFERENCE(3):
p3389
                                                                                                                                               (I' Altachul, Sr Nuclei: Actds Res 1997, V25,
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(2) Atkinson, St Mol Mioroka I 1999, V33, $1267
    CAPLUS
                                                                                                                                                   3) Baist o, No Gene 1991, Vilé, PRT CARLUS
4) Bassler, Bo Mil Mil'r biol 1993, V9, P773
     CALLIG
                                                                                                                                                 Fr. Camera, Mr. Methy de Milit Ri 1 1999, V23, PRIA
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L9 ANSWER 10 OF
ACCESSION NUMBER:
DISCHMENT NUMBER:
TITLE:
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The ki intribatrain Faendam has floorescens FILP
produces the Abiz blum amail kanternolis,
N-12-bydr xy 7-mastetrade en yith amberine
 last de.
                                                                                    via HdtS, a putative n vel N arvih mrserine
lastine
                                                                                    eynthase
                                                                                   Synthase
Lawe, Fridget E.: Stand, Yanz Shiatta, Siri Hams
Tank, Sineads Stewart, Firin I. A. E.: Hatiman,
Andreas I while, L. Allans (Stana, Fermal)
AUTH BUSTS
Williams.
                                                                                   rems.

Dh. 1. f Pharmareutical Sciences, Milversity t Nottingham, Nottingham, Nottingham, Nottingham, Not 2EC, MV Milr Fall by (Aeating, M. Fir (2009), 146(10), 2869(286).
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SCHETE:
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CODEN: MADREC; ISSN: 1350-6672
Society for General Mint ki 1.39
Journal
PMELISHER: Secretal first billing for the first secretary for Teneral Mine billing burners of the first secretary for Teneral Mine billing burners of the first secretary for 
                  And (AMES), groum-sensing signal mils. Which are involved in the reall-dispersion to introduce sensitive and virulence gene expression. When Sensid modes for the Sensidary metablishes and virulence generalises.
  ana1551
                 AHL ki sens is cupable of sensitively detecting either short (74 %)
              long [010-014] anylomain ABLs, no activity was detectable. However,
 ext; rell-free stationary-phase culture supermatants with
dishir methane
followed by reverse-phase HELC, three distinct tractions were obtained
capable if activation the AHE kinsensors. Three AHEs were
                   characterized using high res (in. MS and shem, synthesis. These were
(i)

N-(Chydroxy T-misitetradecency)), moderine last ne (3.H.714:1 HSI), a mol, previously known as the Rhizobium leguminosatum small lasteriorin as a consequence of its growth inhibitory properties, (ii. Nodecan yikomoserine lastine (CD-HSI) and (iii) Nobekan yikomoserine lastine (CD-HSI). A prec (datt) repaire (districting synthesis of all three i, fluoresens AHIs in Escherichia bili was doned and
 sequenced: In vitro transpription/translation of bdtS yielded a protein of approx.
                  x. 33
Kbs tapable of directing the synthesis of 30H,01401 HSL, 110-HSL and
06-HSL in E. 50h. Hdts does not belong to either of the known AHL
synthase families (LuxI or LuxH) and is related to the
Americandon.
  L9 ANSWER 11 OF 54 CAFFUS COFFREIGHT 2002 ACS
ACCESSION NYMBER: 2000:557735 CAFFUS
OCCUMENT NYMBER: 134:15646
TITCE: The resultatory 1 cost of 681 of 8612/films
  legumin.warum
                                                                                   controls a network of quorum-sensing lost
Lithgow, James K.; Wilkinson, Adam: Hardman,
  AUTHOR(S):
                                                                                    Andelas, Belen: Wishiewski-Dye, Fi renter
Williams,
Paul: D.wniw, J. Allan

DORPORATE SOURCE: J.hn Innes Centre, N.rwich, NR4 79H, "M.
SOURCE: H.1. Midrabrel. (2001), 37(1), 81 87

CODEN: MOMINEE ISSN: 0750-380X

PORTMENT TYPE: Flackwell Science 1r4.

DOCTMENT TYPE: English

AB N.(3-bydriwsy 7 instetraderency))-U-b momentum lattice

a qu rum-mensin; signalling m.1. produced by Education legumin sarum.

15
                 is unusual in that it inhibits the \gamma r wth of several strains of E. Legumin scarum and was previously known as "small Eastern sin". The
   I fur responsible for the product of 30H, T14:1-H31 has been characterized:

it is predicted to be on the thronouse, based on CNA hydrolization.
                  ink and find lenes are in different transcripts had units, sepil by a predicted transcripts in terminator. Wink resolutes find express of
                 very high level in a cell d. dependent manner, and cini expressi h is
                  autoregulated by 30H, 214:1-HSL, the only identified N-aryl homograph lattice (AHL) produced by Cicl. No other AHLs were identified that strongly induced only expression. Mutation of only or one-pairing about the strongly induced only expression.
                 product of 30H, \%4:1\text{-HSL} and also reduces the product of several then
  AHLa
                  This is thought to result from the expression of three other AHL
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... I or hein: afferted by the absence of PCH, V14:1-HSL. AHIS produced by these other longinolude N-hexan yl and Nootannyl-Loh muserine

Last need and the support of the red in A nin' mutant, and the man'r regulat by effect appears to be mediated

at least in part as a result of an effect in express in of bhik, the resulator of this. Thus, inch and still appear to be at the top of a resulatory seasonder opened with the influence expected ARI regulated ground sension. Into the express in of similar of the indicatory referred to the highest when the symbol size placend phill is

present, resulting in a reducing the level of CH, 14:1 HCL produced.

ANSWER 10 OF 58 MARLUS PURPHISHT 2002 AND BESION NUMBER: 20001771647 MARLUS

1999: ... 194:39395

19 ANSWER II IF 58 MARLES CHEFFICHT 2002 AMS (Continue): III had little effect in ir with a produktion. If Wever, plasmid transfer.

etc. was affected, and the results litated instructe that GR, 714:1-HCL producted by either the dimonstruction respect to matter expension assumption translate transfer of pRDIM. 172617-17-18.

172617-17-3P

REF BAC (B) Floring antivity or effect r, exhept alverself BEN
(Freynthetic preparations BER (B) Just all process): Bod [initial]

studys REE (Fregarations ERC) (Freese)
(FORMULE-HEL, autorepolation in thunkys regulatory know bink)

REFERENCE COUNT: REFERENCE(5): CAPLUS

CAFLUS

(1) Altachul, Sr J M- i B: 1 1999, V215, P407

(3) Beringer, J. J. Gen Micr. kirl 1974, V84, F188 CAPLUS

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(7) Chhakra, Sr. 2 Antibiot 1993, V4H, F441 CARDYS (8) Out., Mr. 3 Bacteri -1 1992, V174, F4016 TARLYS ALL CITATIONS AVAILABLE IN THE RE FEMAL

ANSWER 12 OF 58 CAPLUS COEFFIGHT 2002 ACS (Continued) 128049-72-7 CAPLUS Estandande, 3-bydroxy-N-{(73)-tetrahydro-2-0x.-7-furanyi}- (3CI) ECA HOEK NAME

Absolute stere schemistry. Surrently available steres shown.

REFERENCE COUNT: REFERENCE(S): 1999,

CAPLING

'APLI'O

1372.

4 (1) Bassler, Fr Cell cell simpling in bacteria

P259 CAPLYS (2) Eastler, Br M & Mirr &r 1 1999, V9, 5773

(3) Ta , A: 1 Parters 1 1997, V105, E:856 [AFL][3] (4) de Nya, B: Tetrabedr 6 1993, V40, E1121?

Emerhand, Az Inhimitin and activation for terial lauterian synthesis (Factorial)

VIG9, PITOL TAPLUS ALL SITATIONS AVAILABLE IN THE SE FORMAT

19 ANSWER 12 OF SE A MESSION NUMBER: COMMENT NUMBER: TAPONE TOFYRIGHT 2008 ADD SULTAN REGERESORS

9:71343

TITLE Junitition of luminescence and virulence to the

tiper prawn (Penaeus m.s. d.n.) path den Vicci

harvevi inter ellular signal antai hists

APTHOR(S): Manefieli, Michael: Harris, Lachlanz Bice, Soutt

Le Nys, Borkyr Kjelleberi, Staffan School - f Michael Doy and Immun I my, University COREDEATE SOUBLE:

New Scrith Wales, Sysney, Australia Appl. Ecviron. Microsi L. (2000), 60(5), 2070-2084 OilEM: ADDITE: ISSN: 0093-244 American Society for Microbi 1 by Northal

SUPRIE:

FUBLISHER: American Society for Microbi Lay Decomment Type: United to the Lay Cornel English AB Expression of luminescence in the Penaeus monod mogath ten Vikii

eyr is regulated by an intercellular qu rum sensin; mechanism inv.lvin;

synthesis and detection of two signaling modes, we of which is

drixy Notan vi Labom serine last he and the other of which is

ominioranterized.

Indirect exidence has suggested that virulence, assemi, with a tixing extrapellular protein, and luminescence in V. harveys are corregulated. In

correquiated. In this study, the effects of an advitated homoserine lattice antarchist produced by the marine algabelises putched in luminesience and towin producing a virulent strain of V. harveys were analyzed.

Distinctoring and towin produce were to this bitted by the signal antag hist at 1 hours, that

had no impact on growth. Tokin productions fund to be prematurely

induced in V. harveys colluses incobated in a 19% conditioned medium. Addin, a significant reds. In the toxicity of cond, supermatant exts. from V. harveys cultures incobated in the presence of the signal antagonist,

measured by in vivi toxicity assays in mice and prowns, was shad.

results suggest that intercellular signaling antai hists have

p tential
p tential
to the finite of the finite period of the province of the

126049-72-7
Rir BA: FB: (Finding and invity or effector, except delverse): FIGL
(Bi.logical study)
((shiriting of luminescence and virulence in the black troor prows,
pathogen Vikrio barveys by intercellular signal actuologists)

L9 ANSWER 13 OF 58 ACCESSION NUMBER: DOTUMENT NUMBER: TITLE: vi-la seum Extraction of victagein from Throm bacterium

privides a new quantitative bi ussay for Nearyl himiterine lattine autoindurers Florger, B. S.: Gray, K. M. Department of Bi-lay, Volversity of South AVTHOR(S): CORFORATE SOURCE: Fl rida,

FI rida,

SUBCCE:

J. Microbiel. Methods (2009), 40(1), 47-55
COENT OMERON JOHN 197-7012

PUBLICHER:

Elsevier Stiente Ireland Ltd.

DOTHERT TYPE:

Landy John Series Lantones (AHLs) are used as extracellular quorum sensing spinals by a variety of Gramine; batteria. By activating pritains beloning to the Lusk family of transcriptional regulating these

signal metals from all an omitation.

these signal metabolites all w pipulation di-dependent gene resulation within a species, as well as interspecies symmunication among different bacteria.

The exptl detection of AHLs is important in the identification of

The expt1. detection of AHLB is important in the influence and of orange ranging and included the included and a season of approximation of the control of the property of the AHL Nobeau yill more the last ne (CONSI). The monoidant mutant strain C. vi laneum TVOthole definient is the property of the pr

this signal mole but retains the ability to synthesize violatein in response to the presence of CGHSL and a variety if other short chain AHLs.

We have developed a quant, by assay that measures the amt. of vi lare:

virilarein produced by this strain in response to the presence of different course.

If various AHD mode. This new assay provides a means of quantifying the course of the presence of the pre

amt. If a liven AHL present in a batterial fulture and tanke used t measure differented in AHL production of different attains or different batch fultures if a liven species. 27734-68-9

TT 273734-65-9

Bit ANT (Analyte): BAY (Birl miral activity or effects, except adverse):

MEM (Metal in formation: ANAT (Analytical activity of BILL (Birl miral activity) FIEM (Formation on preparative)

(extin. I villaresi from Throm Larrerium villareum provider a new quantity and or formation of the more provider and provider

7971 CALINDER NAME And interstore themselvy

L3 ANOWER 13 OF 58 TAILUS IN EYRIGHT 2002 AND CONTINUED COURSE End be metry at oblive.

PEPERENCE (COUNT): REFERENCE(C):

20113A1 144.110

27 (1) Berinjer, 3: 7 Sen Mior Fi 1 1274, TM4, PH8 TALLUS (2) D.WHIER, 7: EMF: 0 1363, V2, ESGO TARLUS (3) Ekerhard, A: Arch Mior bi 1 1386, V146, E75

(4) Eberhard, As Filthemistry 1981, V29, F1444

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ALL CITATIONS AVAILABLE IN THE RE FURMAT

ANSWER 14 OF 54 CALLUS STEVELSHIT 1991 ANS SSILN NUMBER: 2000184654 SALUS HER PLANES: 112:141951 E: Pharmaceut tall sem, sitting sinting ASAT kor ACCESSION NUMBER: D CUMENT NUMBER: TITLE:

inhibit is for the treatment of ather soler tion

Homisat of the treatment less no Buran, Thumae Michael Andrew Warner-Lambert Company, TCA PCT Inc. Appl., 222 pc. COLEN: FIXXD2 INVENTOR(S): FATENT ASSIGNEE(S): SUURCE:

DOCUMENT TYPE: Enclish.

LANGUAGE: FAMILY ACT. NUM. TO FATENT INFORMATION: CUNT:

> PATENT NI. AFFLICATION NO. LATE EIND LATE W0 2000004892 AC 20000203 W0 1999-051394F 1,990#1R W0 2000004892 AS 20000518 W1 AE, AL, AU, BA, BB, BG, BA, TA, TN, CU, TZ, EE, GC, GE, HB,

HIT.

10, 11, 1N, 13, 4F, KE, KR, LS, LK, LE, LT, LV, MS, ME, MN, MX, NO. NZ. FL. RG. SG. SI, SK, SL. TK, TT, MA, US, UZ, VN, YU.

ZA.

AM, A2, BY, KS, KZ, MD, RY, TZ, TM FW: GH, GM, KE, LS, MW, SD, SL, SZ, US, ZW, AT, FE, GH, CY, DE. DF.

ES, FI, FA, SB, SR, IE, IT, WY, MC, NL, FT, SE, BF, BJ, CF, 115.

II, CM, GA, GN, GW, ML, ME, NE, SN, TC, TG
AV 3947017 Al 20090214 AN 1999-47017 10990618
ER 3912036 A 20010417 BR 1099-12206 10990911R
EF 1098662 A2 20010516 EF 1893-1908618 10990618
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IE, SI, LT, LV, FI, RC

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(MMF) inhibition are communications and amount plage and amount muscle cell component of atherwater titlescope, thus impairment the expansion of exception leading and the level/prest of new leading and for the prevention of plaque coprore and the providence feature for the providence of leading representation of a mammal. The direct antiather adject to

ntial of the prombination of ACAT inhibit r, $\{[2,4,6]$ -tria % methyl)phenyl[aretyl]-2,6[bis(1-methylethyl)phenyl sulfamir arid, and

ANSWER 14 OF 58 CAPLUS COPYRIGHT 2002 AGS (Continued) HMG CCA reductage inhibit, simavastatin, in tabbits was studied. A tablet contained 2-(4%-brom-bighenyl-4-sulfunylamin) 3-Me butyric 25

acid 25
APAT compd. Latines 50, orn stanch 20, and magnesium stearate 5 mi.
17 25645-88-2 256645-88-4
Bir PAP (Backinnal activity or effector, except adverse); THO (Therapeuticinals); FICE (Palicinal activity); MSES (Massel (pharmaceutical composition), APAT and MMP inhibitions for treatment of atheracierctic less as:
18N 256645-88-2 CAPICS
No. [1.17-bippheny]; Albexan in acid, theta. [[[(33)+tetrabydro+2-ox+3-furany]]amino[carbiny]]-, (Leta.R)- (CT) (CA INDEX NAME)

Aks lute stere themistry.

256645-98-4 CAPING Butanediamide, 2-93-(1,11-Eiphenyl)-4-ylpropyl)-N4-bydr xy-N1-{(28,-tetrabydr -2-x-3 furanyl)-, (28)- (97) ("A INCEX NAME)

Aks lute stere whemistry.

CORPURATE SOURCE: Thavers; ty,

Outversity,

Princeton, NJ, 05544-1014, NSA

SOURCE:

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CODEN: ModHEEL ISON: 9950-35CX

FURLISHER:

Flankwell Sizen e Ltd.

J urnal

ARMINASE:

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AB The biologinement marine batterium Vibrio barveys controls light

produ.

using two parallel quiroum sensing systems. V. harveys produces two

autologicers (Al 1 and Al 2), which are no located by crimate

membrane-bound two component hybrid sensor kinases called LuxN and

LuxC.

Luxy resp. Moder = ndit; ns of i wheell do, in the absence of autoindizer, the hybrid sensors are kinasee, and under = nditi ns of high relict, in

presence of ant inducer, the sensors are phosphatases. These activities

This BoxN and DoxT to modulate the level toph sphorylation of the leagues resultance for tensional DoxT. DoxT, in Modulation to the transcription of the sense end domination ferse. The phosphorelay

pritein

Lux" is required for signalling t Lux". In this report, we present a senetic small, if the activities of the Al-1 sensor LuxW. Frint

and in frame delet; as were mastructed in luxN and remotined int

obromes me of V. harveys for an vivi phen typic anal. We show that the hamiltone (M471) in the sens t kinase I main of DuxN is required.

for kinage activity but not for phosphatage activity. To contrast,

processed adjustate (D771) in the reopinge repulating main of DixN is required for both activities. Furthermore, the LuxN phosphatage

armivity is 1 malized to the ledpose resolution domain. The results indicate

the lowN kinase activity is repulated to the green e. f.Al.).

whereas the $$\operatorname{DoxN}$ ph aphabase activity is constitutive. We also show that

sithalling for the two V. harveys quirium dending dystems in it topiave. Alcl and DOMN have a much greater effect on the level of lox ophosphate and therefore lox expression than do Alcl and DOM.
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TAF185 (%) Bassler, Fr Teil-Tell Similing in Basteria

P259 CAPLOS (4) Bassler, Er J Bastleri i 1997, V179, F4043

(b) baseler, b) M 1 Microbiol 1993, V3, F773

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 16 OF 58 CARDUS COPYRIGHT 2002 AGS (Continued) Abs lute stere otherstry.

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4 (1) Dailes, Mr FERS Lett 1991, VSAS, F14% TARUTS (S) H rt ske. Or C Am Obem 2 - 1993, VISL Prist (4) Siedleska, Mr Pr o Natl Asad Skr 1984 1999,

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C9 ANSWER 16 OF 16 CARCING STRYRIGHT 2002 ACS
ASSESSION NUMBER: 1999:744874 CARLING
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TITLE: A number to and fine restence study fig.

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er-hand proteins can be used to stabilize the Lalpha-helical structure of peptide

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: | indicate that the presence of the lastone even at the S-terminus of

the 1. p does not have any new effect on the 1 op helix-nucleation ability.

On the other hand, the presence of the outphaseNHP+ at the 1 p Notembrase leads to a drop of metal binding const. and loss of the rivid structure of the calphasehelical segment of the loop. The outphased ry he of the residue from the 1 op Notembrase should also be as yield because it perturbs the bind immation of the Neterminal part of the segment.

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ACCESSION NUMBER: 130:244289
TITLE: Cell density-dependent starvation survival f
Rhizobium lejumin sarum bv. phase li: identification of the role of an Noaryl bom serine lastone in adaptation to stationary phase survival Thorne, Stephen Hou Williams, Huw D. Department of Book by Mymerial of Noary AUTHOR(S): CORPORATE SOURCE: Simming, Otherce,

Technology and Medicine, Lindix, SW7 ZAZ, VK

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AT The rell d, dependence f stationary phase survival f Phiz blom

exhaustions AB The rell d. dependence if stationary phase survival if Phin blum legimin sarum has been investigated. Filiment starvation by subjusting starvation to instructed, but not of phosphorus, the survival of carbon or nitroten, but not of phosphorus, the survival of cultures was dependent in the rell d. at entry into stationary phase. Highod cultures survived with little or not so for cubblisty over a dividup period in attainary phase. In contrast, level, cultured lot viaribity capitly but consisted d a beteroisee may polation, a small fraction if which successfully adapted and eventually formed a starle, surviving public.

The threshold d. at we which the cultures survived successfully in stationary phase was dependent in the providence of the station used. We took advantage of the fact that R. legimin same survives portly following starvation by resuspensions to the free medium to deministrate that rell d. dependent survival was mediuted by a complete that rell d. dependent survival was mediuted by a complete account of the providence of the result medium. The effects of this medium component a survival in the results assured that the results of assays of the minisked by an Narylon momentation.

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er Di Barker, Bril Med (Nem 1992, VSS, PCIA) (ARING CS, Earth, TR Eur J Bharm 1974, VSS, PSC TABLOG (4) Bellamy, Fr Tetrahedrin Lett 1984, VSS, ESSG WARNING Arilys 15. Feugelmann, Fr. Thom 7 mmin: 1996, F1023 (AFIOS) 16: Beugelmann, Fr. Tetraheir n. Lett 1984, V35.

F1527 CAPLYS 741 CHEF, Mr. T. Bartherin I 1992, VITA, P4926 TARLYS (A) Dawes, Excode Symp 1974, V26, P19 TALLYS (7) Eith, No.2 Bartheri G 1994, V18, 1621 CAPLYS (6) Diwrass, Or Mid Minster L 1993, V16, P191 ALL "ITATIONS AVAILABLE IN THE RE FORMAT

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L9 ANSWER DO .F 59 ./A A MESSION NUMBER: LUMMENT NUMBER: TITLE: 3 x octanly1 homoserane CAPIDS COPYRIGHT 2002 ACC 1998:e81174 CAPIDS 139:48627 Anal 28 of the aut induser last he strongly unhibit activity of the Trak of Air narterium tometamine Zho, Jung Beater, John Will More, Maruret Lis AUTHOR(S): Fulqua, Clay: Eberhard, Anatol: Winnes, Stephen C. Section of Microbiology, Connell University, Ithara, NY, 14854, MCA

SURTE: 1. Baiter: 1. (1008), 180(20), 5198-1405

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AB The Trak and Trail present of Abrohacterium tumefaciens mediate cell-di-dependent expression of the Topiasmid trailering Trail synthesizes the aut inducer pheromiae N-(3) x **Ctanyl, I hom serine lastner (3-xx**-05-HSD), while Trak is an 3-0x ***-05-HSD-resp. naive transcriptional activation. The authors have compared the abilities of $3 \cdot nx \cdots C\theta$ HSL and 30 related timpds, to activate expression of Trak-regulated promiter. In a strain that expresses wild type levels of the state of the stat detertably active only at high thomas, and the remaining 28 complex were inactive. Furthermore, many if these compile, were potent antaninists. In contrast, almost all if these compile, were stimular by in a conjenior strain that verexpresses that and in compile was a potent antaninist. The authors propose a model in which autoinducers enhance the affinity of Trak either for ther trak monomers or for DNA binding sites and that coverxpression of Trak potentiates this interaction by mass action. Wild-type A. tumefaries released a rather broad spectrum outsinducers, including several that antaninize industrion to a wild-type strain. If were, under all conditions tested, 3 oxince MSL was more abundant than any other analog, indicating that ther released automobilers d = n/t interfere with transpene induction. It is concluded that (i) in type strains, only 3- ∞ CS H3L significantly stimulates tra Tene expression, oney in expression, while many autoinducer analogs are potent antar nists; (ii) Trak overexpression increases againstic activity of autoinducer analog, allowing sensitive in determine of many autoinducers; and (iii) ANSWER 20 OF SE CAPIL'S COFFRIGHT 2002 ACS (Continued) bn 216596-85-9 CARTUS
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3,22-di.we-w.N.**obs[(39)-tetrahydro-2-.xe-veturanyl][901] (CA INDEX NAME) Abs lute stere chemistry.

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(5) The Art 1 Fasteris I 1993, V175, P3856 TAPLUS
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Notacomodie. "Solybriky N [[SD] tetranybrico x 3 foranyl] (971, 174 INDEX NAME). Aha lite stere themistry. 218806-73 5 CAPLUS Didetanamide, 3-bydr.xy-N-[(3S) tetratydro 2- x -3-furanyl] - (3Cl) INCEX NAME: Themistry. (1H1) s RN 216526-84 8 CAFLUS (N Decanediamide, N,N'-bis((3S) tetrahydr 2 x.-3-furanyl)- (93I) (CA INCEX NAME: Absolute stereichemistry. LB ANSWER 21 JF 56 MARIUS CORYRIGHT 2002 AUS
ACCESSION NUMBER: 1598:147346 CARLUS
COCCUMENT NUMBER: 128:21341
TITLE: Compression of and methods for treating infects as unalogs f and limidin Framer, Janet R.; West, Machael H. F.; Krieper, Timethy J.; Taylor, Riesets Effle, Douglas Mirrol one Bi tech, Inc., Can.; Framer, Janet R.; West, Mithael H. E.; Krieper, Timethy J.; Tayl r, Roberts Effle, D oglas PTI Inc. Appl., 130 pp. COLEN: FIXXOZ Patent English INVENTURES: FATENT ASSIGNEE'S): COCUMENT TYPE: LANGUAGE: FAMILY ACT, NUM, COUNT: FATENT INFORMATION: FATENT NO. KIND DATE APPLICATION NO. DATE A2 19980226 A3 19980709 W. 1997-1014779 19970821 WE AL, AM, AT, AM, HA, EB, BG, BR, FY, CA, CH, CN, CM, CZ, DE, EE, ES, F1, GB, GE, GH, H9, IL, IS, TH, ME, MG, KE, MR, MZ, EF, DR, ES, ET, EU, EV, MD, MG, MF, MN, MW, MX, NT, ND, FL, F1, B1, CE, CE, S3, S1, SK, CL, 10, EM, TR, T1, JA, T3, 14, YU, AM. AZ. BY, KG, MG, MM, RM, TM, TM, TM, EB, SH, KE, LS, MW, SD, SZ, MG, DW, AT, BE, SH, LE, LY, EG, FI, 98, 38, 18, 11, 12, MC, NL, FT, 38, 58, 81, CF, T9, 31, CM, GN, ML, MR, NE, SN, TD, TS A" ST442T1 A1 13883796 AF 1997-442T5 19975921 EF 925408 A2 10996400 EF 1997 041382 19979821 R: AT, FE, CH, CE, DF, ES, FE, GE, SR, LT, LI, LF, NL, SE, MC, 1E, FI 1E 2001500477 T2 26010116 ERI PITY AFFEN. INF .:

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PAGE 1-B



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PAGE 1-F

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L9 ANSWER 21 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

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PAGE 1 "

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L9 ANSWER 21 OF 58 TAFLUS COPYRIGHT 2002 ACS (Cintinued)

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FAGE 1-D

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IN ANSWER 21 OF 56 CAPIUS COPYRIGHT 2002 ACS (Continued)

 $\frac{trypt:phyl-L-trypt:phyl-L-valyl-L-trypt:phyl-L-arginyl-L-arginyl-N- ((36)-tetrahydr:-2-px,-7-furanyl) - (901) - (2A INDEX NAME)$

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L9 ANSWER 21 OF 58 TAPLOS COLEYFIGHT 2002 AND CONCENTRATE.

RN = 204289-00-8 - TAPLUS TN = 0 Lystmanide, 1-is-length t length t lysyl t-lysyl t is length t-pr lyl-t-

is legger-th selected by the probability of the property of a ringular angle, N $\{(83), (87), ($

Ars lute stere chemistry.

19 ANSWER 21 OF 58 CAFEUS COPYRIGHT 2002 ACS (Continued)

FAGE 1-B

RN = 234250 41:9 (AFE/9) "N = Elfernamile, E-im leuryl-E-leuryl-E lymyl E lymyl E tyt myl E pr lyf E

trust physic tyrespick projects the project of the transfer of the contest of th

Aks lute stere themistry.

LR - ANSWER LI OF 58 MAPLES THEYELDHI LOCALATE . That called

FASE INF

RN 204250-40-8 CARLUS
IN 0 typinamid-,
L-is leonyl-C-leonyl-C-lysyl-C-lysyl b byr syl-1 prolyl b
tyresyl b tyr syl b prolyl b tyr syl b aribbyl L sambbyl N [c-U)tetrahylr 0 x 2 forabyl[1970, ICA INDEX NAME-

L9 ANSWER 21 OF 58 CAPLUC TOLYRIGHT 2000 Add ("Continued)

DR ANGWER 20 OF SR MARENUS CONTRIBUTE 2002 AND COLLEGE HER.

PAGE L F

BN | 104250-42-0 | TAPLYS -N | 1 Lysinamide, E-is Teuryl-1-leuryl-1-lysyl-1-lysyl-1-phenylalanyl-1-pr lyi-

Letryptighyl b phenylalanylih prilyl bitryptighyl i armnyl biarinyl N [(3r) tetrahydrig 2 ix (3r) toranylli (3.11) (3.11) arm INPEX MAME:

Ata lute ateres hemistry.

Es - ANGWER 21 OF 58 (AFEUS - 2 FYRIGHT 2050 AND - -) attraced:

FATE 1-A

13 ANSWER 21 OF 58 CAPTUS COPYRIGHT 2002 ACS (Continued)

FAGE 1-8

L precylalanyl-Litryptiphyl-Lightly L trypt phyl L argrayl L argrayl N
(38) tetrahydr.-2- xr-2-foranyl)- (901) ("A INDEX NAME)

Are lute stere chemistry.

FAGE 1 A

FA3E 1 F

BN - 2 4150 44 D "Mainto".

N - E bystammede,
E so levyl b levyl b arisoyl b tyr myl b valyl bytyr myl b

DB ANSWER 21 OF 59 PAPERS OFFYEIGHT 2002 APP Continued

Ara lute stere them:stry.

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TABLE A

204250-45-3 FARINS L Lyminamide, L implembyl-belowył b arminylet arminyletetryst phyl b

prolyth-trypt plyt L trypt plyt L prolyth trypt payl tractically actival No.1 (S. Stetraby): $-3.8 \times 3.5 \times 10^{-10}$ (S. Stetraby): $-3.8 \times 3.5 \times 10^{-10}$ (CA INCEX NAME

FAGE 1-A

19 ANSWER 21 OF 58 CAPLYS COPYRIGHT L002 ACS (Continued)

PAGE 1-F

FAGE 2 A

EN 204250-46-4 TAPLUT
(N Libysinamide,
Lis Benryl Elemryl Elarninyl-Estrypt-phylile

Abs lute stere themistry.

LP ANSWER 21 OF 58 CAPLUS TOFFRIGHT 2002 ADS (Continued)

FAGE 1 B

LO ANSWER 21 OF 58 CAPTUS CONTRIBUT 1902 AND Contributed:

EN 204250-47 5 TARLUS
"N Ustyminamise, Lim leutyl-thieutyl-b-lymyl-b-trypt phyl-b-pr lyl-b-

trypt-phyl-L-trypt-phyl C p. lyl-t-trypt phyl C arminyl-L-arminyl N (,35, -tetrahydr-2- x.-3-furanyl) - ,9 % (% INDEX NAME)

Aks lute stere:chemistry.

19 ANSWER 21 OF 58 CAPTOS COPYRIGHT 1992 ACS (Continues)

EASE 1 B

RN - 204250-43-7 (AED)2 "N - Elyeshamide, Daie Deshyl Eleshyl Elyeyl Estryff phyl Elyr Dyl Estryff phyl Estryff Edyl Estryff phyl Estryff Edyl Elyf Elyf Estryff Edyl Estryff Estryff Estryff Edyl Estryff Estryff Edyl Estryff Estryff Edyl Estryff Edyl Estryff Edyl Estryff Edyl Estryff Edyl Estryff Edyl Estryff Estryff Edyl Estryff Edyl Estryff Estryff Estryff Edyl Estryff Estryff Edyl Estryff Estryff Estryff Estryff Estryff Estryff LR ANSWER 21 OF 58 CALLUS 108 MPT 2002 AV 1 Intimbed:

TARE 1.E

FASE 2-A

FN 204260-48-6 MARCHS
CN D Dysinamide,
E-is leucyl-6-leucyl-6-lysyl-6-trypt phyl-6-pr lyl-6-

trypt(phyl L trypt phyl L prolyl L trypt phyl L armnyl N ((%)) tetrahydr $2 \cdot \kappa \cdot 3 \cdot foranyl) = (\%) - (\%) = NAME)$

She lite store designates

LS ANSWER 21 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued) 2-080-3 formanyl]- (971) COMPANNE:

Absolute stere chemistry.

FARE 1-B

in Answer 21 of the CARDYS SUPPRESHT 2002 ACC . . Cationed,

Absolute stere chemistry.

ANSWER 21 OF 58 CAPLYS COPYRIGHT 2062 ACS /Continued) N-[(3S) tetrabydro-1- ox 3 foranyl]- (PCI) (PA INDEX NAME)

Aksolute stere themistry.

FAGE 1 F

LR ANSWER 21 OF SE CAPLUS COFYRIGHT 1930 ADS 10 https://

PN 204250-51-1 CARLUS
CN L=Sermanuse,
List ledsyl-b-ledsyl-b-lysyl-b-trypt phyl b prolyi b
trypt phyl-b trypt phyl-b trypt phyl-b trypt phyl-b trypt phyl-b trypt phyl-b trypt phyl-b

is-leuryl-1-methionyl-1-is.leuryl-1-leuryl 1-leuryl-1-lysyl-1-alanylilyryl-

LP ANSWER 21 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

PAGE 1 7

FASE 1-0



 $\label{eq:constraint} \begin{array}{lll} \text{Colorbia} & \text{Captima} \\ \text{Outputstanties}, & \text{inclusive} & \text{theory} & \text{theory} & \text{thypical lyey} & \text{through theory} \\ \end{array}$ trypt phyloL trypt phyloL pr lyl-d-tryptophylod-arginyl Noll(8) tetrahydio-2--x -7 furanyll (671) (7% INLEX NAME)

LR ANSWER 11 OF 58 CAPLUS OF PYRIGHT 2003 ACC (Intinue)

TARE LA

ER ANSWER IN UP FR CHARLES ONLYRIGHT 1002 AND CONTRIBUTION OF

FASE 1-P

FA3E 2-8

L9 ANSWER 21 OF 58 CAPLUS COFFRIGHT 2002 AUS (Continued)

RN 204259 55 5 CAFLUS
CN L-bysinamids,
L-is feucyl-b-leucyl-b-lysyl-b-bysyl-b-trypt-phyl-b-prolyl b

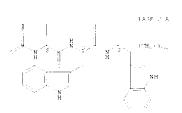
tryptiphyl=L-tryptiphyl=L-tryptiphyl=L-arginyl=N-((38)-tetrahylr=C- x -3-foranyl) (001) (04 INDEX NAME)

Alm lute stere-chemistry.

PAGE 1 A

LG ANSWER 21 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

FAGE 1 B



FASE 2-8

EN | [1428] FARA TABLICO (N | 1 Dyantamode, Disc les yiel les nyiels (yeyl 1 dysyr phylic waly) (

EN ANSWER 21 OF FA MAREUS CORYFIGHT 1982 AND CONTRIBUTE FO

trypt-phyl E-trypt-phyl-C-valyl-E-trypt-phyl E arminyl E arminyl N $_{\rm c}$ +0 - terraby m -2- x - t-triacovl) - (40) $_{\rm c}$. A INDEX NAME

FAGE 2-F

RN - 204250:58 A TAFLUS TN - 1-Lysinamide, C-ie Reunyl-C-leunyl-C-trypt phyl-D-pr lyl L tryptiphyl L

tryptiphyl b pr lyl-1-trypt phyl-6-argnnyl-6-argnnyl N-(138 -tetrahydr -6-x -3-furanyl)- (9:1) [TA INDEX NAME]

Ara lute stere; themiatry.

PA 9E 1-A

PASE 1 - B

DR - ANDWER 21 OF 58 CHARDOS CLEYRIGHT 2001 ACC - COLUMN UNGSC

FAGE 195

PN 204250-57-7 CAPTHS
TW - Dibysinamide,
Limital Recryl-Dilectyl Colymphilicity physiologic tryphophysiologic tryphophys

trypt.phyl-L-trypt phyl-L-valyl-L-trypt.phyl-L-arlinyl-L-arlinyl N-[:98 - tetrahydr- 2- x - 3 foranyl] = (991) = (7A INDEX NAME)

Ars rute stere "hemistry.

in answer of of 58 dates, contained and all aswers of

19 ANSWER 21 OF 58 CAPLUS COPYRIGHT 2002 ACS (Chattaged)

FARE 1 B

RN = 204250-60-2 | CARIUS | W = U lysinamide, | Lib-uryl-L-lymyl-L-lymyl U tryft phyl U pr lyf-L tryft phyl-

Letryptephyletephelyi-fetryptephyl-fearninyl-fearlinyl N- $\{(\Omega)\}$ -tetrahydr $(2-\kappa)$ (thranyl $\{((\Omega)\}, ((\Omega))\}$). We intex NAME)

Arm lute stere themistry.

LP ANSWER 21 OF SE MARBUS OFFYREERT LOSS ASS Continued)

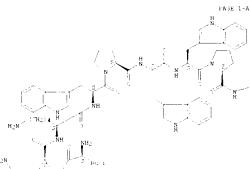
FARE L-A

PN 204050-15-5 WHIPS
'N Dilysinamise,
Liss Bennyl-Dilesnyl Dilysyl-Dilysyl Distrypt phyl-Digr Tyl D

taypt goyl L gr lyi-h-trypt-gbyl-h-arrinyl L arrinyl-N [197] tetranydr $\mathcal{D}_{\rm t}$ (A INJEX NAME)

Ais lute stere themistry.

L9 ANSWER 21 OF 58 CALLOS COPYRIGHT 2002 AGS ("Continued)



FASE 1 F

19 ANSWER 11 (F 58 CAPTIC CIPYRIBHI 2000 A'S CONTRIBUTE)

FAGE 2 A

FN 0.4059-61-3 TAILTS CN 0.50gmnamule, Logar lyi-bitogat phylocitygi phyl b pr lyi-bitogat phylob artinyl biardinyl-Nojelli tetrahydr (200m 3 foranyl) (601) (CA INDEX NAME.

Absolute stere chemistry.

L9 ANSWER 21 OF 58 CAPLUS COPYRIGHT 2002 ACC (Cintinued)

PAJE 1-8

FA 1E 1-"

10 ANSWER 21 OF 58 PAPERS POPYRIGHT 2002 AND 10 https://

RN | 204260-62-4 | CAELYS |N | C Serinamide, |E is deadyl-1-leonyl-1-lysyl-1-lysyl-1-tryptrybyl 1-prolyk-1-

 $trygt \ ghyl-1-trygt \ ghyl-1 \ gr \ (lyl) \ 0 \ trygt \ ghyl-1 \ arminyl-1 \ arminyl-1-lywyl$

Limethionyl-Lins length-length-Lipsyl

And lute store themistry.

PAGE 1 A

19 ANSWER 21 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

PAGE 1-0



19 ANOMER 21 OF 58 CHARLES COLEMB 2001 AND COLEMBRA.

trypt-phyl-L-trypt-phyl-L-pr lyl-L-trypt-phyl-L-arginyl L arginyl N-[(3s) tetrahydr -w--k--t foranyl] (9d1) (CA INDEX NAME) Aks.lute stere themistry.

19 ANSWER 21 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

PAGE 1 B

CR ANSWER 31 'F 58 CAPITS SEPRESHT 2002 AIR - 1 http://delay.

3.A.3E. 1 - F

FASE 2-A

RN 204250-67-3 CAPIUS .N L Lysinamide, L-is.leucylol leucyl L-lysyl L-lysyl-L-prolyl-L-trypt-phyl-L-

trypt phyl-1-pr lyl-1-trypt.phyl-1-arginyl-1-arginyl N $\{(3i)$ tetrahydr $\{2, 8\}$ *foranyl} - $\{57\}$ (CA INLEX NAME)

Ats late stere themistry.

LS ANSWER 31 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

PN 274250-68-0 TAPLUS N L-Lysinamide, Lis-leuryl-L-leuryl-L-lysyl L lysyl L trypt-phyl L trypt-phyl-b-trypt-phyl-b-pr lyl-b-trypt-phyl-b-ariney) b argreyl N-[(3S tetrahydr (2.08) -3-foranyl) (3G) (3A INDEX NAME)

Abs little stere themistry.

IR ANSWER IN THIS REPORT THEORY TO EVEN HER LOSS AND THE TRANSPORT

FAGE 1 B

PAGE 2 F

L9 ANSWER 21 OF 98 CAPLYS COPYRIGHT 2002 ACS (Continued)

PAGE 1 B

(H₂, 4 | NH₂

., -3 NH₂

L9 ANSWER 21 IF 58 TAPLES OF FYEIGHT 2002 ACC OF STREET

RN 104280 e0-1 TAPLUS
TW L Dysinamide,
Lise learly below by bely syll District particle for the first particular transfer of the first particular transfer of a foreign particular transfer of the foreign

Ans lute stere demistry.

TAGE 1 A

L9 ANSWER 21 OF 5H CARLUS COPYRIGHT 2002 AGS (Continued) EN 204250 70 4 TARIUS CN E-typetamide, L-is leucyl-E-leucyl-E-lysyl-E-typet phyl-E-probyl L

Als lute stere themistry.

DR ANSWER DI OF 58 CAREUS CUPYRIGHT 2000 ADS CONTINUED.

FASE C. F.

trypt.phyl-1 trypt.phyl 1-pp-1yl-1-trypt.phyl-N-[(38)-tetrahydr 2 x 3-furanyl]- (901) – (A INDEX NAME:

Abs lute stere chemistry.

L9 ANSWER 21 OF 58 CAPLUS COPYRIGHT 2002 ACC (Continued)

FARE 1-B

RN 204250-73-7 DAPLUS
(N L-Lysinamide,
Literyttephylolleriyi-Literyttephylolleriyi-Literyteph

(9 T) A INDEX NAME:

Absolute steretchemistry.

DV ANGWER 21 OF 58 MARLOS COPYRIGHT 2002 AND (Continue)

RN 204250-72 6 (ABCUT)
N D-Arithmanid-,
L-is length blength belysyl-belysyl-bittypt pbyl big lyte

L-trypt.phyl-L-trypt.phyl. L-pr. lyl-L-trypt.phyl-N- $\{(Pr),$ tetrahydr.-2-.x -3-foranyll-..901) (CA-INDEX NAME)

Ars lute stere; themistry.

L9 ANSWER 21 OF 58 CAPLUS COFYRIGHT 2002 ACS (Continued)

FA3E 1-8

EN 104259-74-8 CARLOS CN Delyanamide, b alanyi b leunyi-b-arinnyi-b-trypt phylid pr lyl b-

trypt phyl-L-trypt.phyl-b pr lyl b trypt phyl-b-arginyl b arinoyl N (1381) betrabydr b ∞ 3 forabyl) = (2011 - 12 INDEX NAME.

Ake lute store themistry.

CR ANSWER 21 OF 58 CARLYS CURYRIGHT SONS AND CONTRIBUTED

FASE 1 F

FAGE J A

RN 204250-78-9 CAPLUS
TN E-Eystramide, E-is-Hoory: Calamyl-E-arimyl-E-trypt phyl E probyl E
trypt phyl E-trypt phyl-E-probyl-E-trypt phyl E arimyl-E arimyl-N [138,
tetrahydr-22-x--3-foranyl] (2011) (CA INDEX NAME)

Also lute stere obemistry.

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EAGE 1 A

FAGE 1 F

L9 ANSWER 21 OF 58 CAPLUS COPYFIGHT 2002 ATS (Continued)

PASE 2

RN 204250-76-0 CALLUS CN C-Dystramide, E-is-leunyi-E-leunyi E-alwoyi E-tryptophyl E-prolyi E-

tryptorphyl L tryptorphyl L prolyk-L-tryptorphyl-L-arginyl C arminyl N $\{(35)$ tetrahydr.-2-ox.-3-furanyl}- (271) - (CA INDEX NAME)

Aks lut= stere chemistry.

FASE 1-A

19 ANSWER 21 OF 58 DAPLUS COPYRIGHT 2002 ACS (Continued)

PAGE 1 B

FAGE L-A

EN 204250-77-1 TARLUS /N U-lystnamide, Lite length theoryh blandinyh b-alanyh-b-prolyh-b

Ara lute stere themistry.

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FAGE 1-F

PAGE 1-F

L9 ANSWER 21 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

FASE 2 A

EN 2014250 76 % CARDITO TW Dibystramide, Diss leuryli-bieseryli-biestrunyli-bitzypt phylibogr lyli-bisalanyl bitrypt phylibogr lyli-bisalanyl bitrypt phylibograpyl (2014) trypt phylibiastrunyli-biastrunyl N(1)/700 testahydr (2014) (3 diseasyl) (300) (78 INDEX NAME)

Atm life stere themistry.

The Answer of the Sectables of Exelost Coll And (Collect) FARE C.A.

RN 024250-08-2 MARDUS
N b-Dystramise, Data Neuryl L Hearyl D arritryl-b-trypt phylob-alanyl-b
trypt phyl b trypt phyl lope lylob-trypt phyl b-arritryl B-(036)
tetrahydr 2 mx-3-foranyll (001. C% INDEX NAME)

Absolute stere themistry.

FASE 1

L9 ANSWER 21 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

FASE 1-A

PAGE 1 B

L9 ANSWER 21 OF 56 CAPTUS COPYRIGHT 1992 AV3 Continue D

1A3E 2-F

tryptophyl-L-alanyi-L-pr lyl L trypt phyl-L-ariinyl-L ariinyl N-[37) tetrahydr (2 \times 3 foranyi)- (901) (CA INDEX NAME)

Aks lute stere themistry.

EN 204250-81-7 CAPEUS
CN L-Lysinamide, L-is-lencyl-L-lencyl-L-arginyl-L-trypt phyl-L-proly) L-

Abs.lute stere:chemistry.

19 ANSWER IN UF 5% CAPLOS CORYRIGHT 2012 ACC. Continued:

FA3E 1-A

19 ANSWER 21 OF 58 CARLOS COPYRIGHT 2002 ACS (*ntinoad)

FASE 1-B

C+ ANSWER CI OF 58 MAILUS OF PYRIGHT 2002 ACS (Continued) trypt phyl 0 trypt phyl-L-pr lyl-L alanyl L-arrinyl-L-arrinyl-N-(.39)
tetrahydr -2- x -3-forstyl) (371) (7A INDEX NAME

Arm lute stere themistry.

19 ANSWER 21 OF SE CARING COFFRIGHT 2002 ACS (Continued)

FAGE 1-A

L) ANSWER 21 OF 58 MARCHE " PYRIGHT 2002 ASS (Continues)

FA JE 12-15

Aks-lite stere-themistry.

L9 ANSWER 21 OF 59 CAPIUS COPYRIGHT 2002 ACS (Continued)

FAGE I-A

PN 204250-84-0 TAFLUS TN L-Lyginamide, L-io leuryl-L-leuryl L armayl-L-trypt/phyl-6-pr lyl G trypt phylobotryptophylobotrolyti-botrypt phyloboarginylobotlanyl No[135] tetratyth [2] x1/3 furanyl]- (901) [7A INDEX NAME] Abs into store themsatry.

19 ANSWER 21 OF 58 MARLING OF PYRIGHT 2002 AND CONTRIBUTION D

L9 ANSWER 22 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

PAGE 1-A

FARE 1 F

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14 ANSWER 22 OF 58 CAPLUS COPYRIGHT 2002 ACS (Centinued)

PAGE 2 B

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FARE 1-A

Es answer 22 of 58 chardes they first 2002 And 10 for dangers

TAGE 1 F

1A3E 2-B

201544-41-4P 201544-42-5P 201544-43-6P 201544-44-7P 201544-45-8P 201544-46-9P 201544-47-0P 201544-48-1P 201544-49-2P

L9 ANSWER 22 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

PAGE 1-F

201544:42:5 TAPLUS L-Lysinamide, bialanyl bislotaminyl-L-vlutaminyl 5-pr lyk 5-slanyl b EN 'N .aigha.-dlutamy1.keta.ulany.-.keta.sainnyi N (3%) tetranyin sus x s formay1;-, 06.fedarw.l lastam (401) _CA_INDEX_NAME

TARE LA

Aks lute stere themistry.

19 ANSWER 22 OF 58 CAFLUS COFFRIGHT 2002 ACS (Continued)

FARE 2-A

RN - 201944-49 A - CAPLYS - N - 1-Lyminamide, h alanyl i alanyl-i-glutaminyl-b glotaminyl i prolyl i slangl L .aipta. finfamyl-.Reformalanys .refor alanyl N-{(f3 -tefrany in -1 x -3-finfanyl)-, (7.fwdarw.U lantam .901) - A INCEX NAME)

Also like stere chemistry.

DA ANGWER 22 OF 58 CARLOS COLVETHE 2002 ACC (Continue)

PAGE 1-A

L9 ANSWER D2 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

EA9E 1-6

LS ANSWER LD OF FA MARDIS COLLYBIOHT DUOL AND COMPANIES.

PARE L F

FAGE 2-A

1A3E 2-5

Fit 201544-44-7 TAFLUS
TN L Lysaramade,
L-alanylolycyl-C-alanyl-L-rictaminyl-C-rictaminyl-L-pr lyi-t-

alunyl:1-lalpha. dlutamyl.ketu.-ulunyl-letu.-ulunyl-N-(198) tetrahydro 2--xx 3-furanyl], (0-fedarell) lastum (981) (CA INDEX NAME)

Ars lute stere themistry.

- ANSWER 22 OF 58 CAPLUS CUPYRIGHT 2062 ACS (Continued) alanyli-N-(33)-tetrahydr -2--x-3 foranyll-, 30.fwdarwill-lantam (301) CG (NOEK NAME)

*** STEW TYRE DIAGRAM IS NOT AVAILABLE ***
RN = 201544 46 7 CAPLYS
CN = L-typernamide,
L-alamyl-L-alotamynyl-L-alpha, glutamylglymyl-L alamyl-L-

- plutaminyl-L-plutaminyl-5 prolyl-1-alanyl 1 .alpha. Plutamyl .keta. alanyl-1.ceta. alanyl N [33] tetrahydr. 2- x-3 furanyl]-, (16.fwlarwl) lastam [901] (^A INCEX NAME)
- Als lute stere chemistry.

FAGE 1 A



DR - ANSWER 22 OF 58 CAPLYS CLEYKIGHT LOGG ACC - (Schilder)

PAGE 1:

EN 201544-47-0 CAPLYS

L9 ANSWER 22 OF 58 CALLUS COFFEIGHT 2002 ACS (Continued)

rioramy) leta alanyi Keta, alanyi N $\{(20)\}$ etrahyin (2 a.2 foranyi)), ibinwianyih, astam (20), "A INGA NAMH

Abs lute stereinhemistry.

PAGE 1 A

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TWO billyschamise,
halanyl bilotaminyl-biplotaminyl bilalpha.eglutamylolyzyl-

CollaryPoliticaminyl-1-gletaminyl-1-gr.lyl-1-absoryl-1-abgra. fistamyl-iceta. alaryPolitica alaryPolitic(%) terranyfe (2 x 3 formal)) . ([11.tedareol)-1astam (2 11 (2 X INDEX NAME)]

Aks lute ster- themistry.

19 ANSWER 22 OF 58 CAPLMS COPYRIGHT 2002 ACS (Continued) FASE 1 8

PR = 251544-45-2 (MELD? CR = L Cymruamide, L Cymruamid L thuraminyl L storaminyl L pr Cyl L slady)

E Laipha. Mutamyl cheta. alanyl cheta. alanylen [1980-chetratydr. 2- x -3-foranyll). Phythams.Phythactam. Phyth. 37A INDEX NAME:

Absolute stere whemistry.

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FA3E 1-B

L9 ANSWER 22 OF 58 CAPLUS COFFEHRE 2002 ACS

FARE : -

EN 101944-52 7 TAFUTS
'N 1 Cyminamide,
Liymyi b alanyinyi b alanyi b biraminyi b-ilotaminyi b $\mathfrak{g}_{\mathfrak{T}}$ into alamyd Coalphau-siotamyd Gretau alamyd Gretau alamyd N(+) 18 ANOMER 22 OF 58 CHARLOS COPYRIGHT 2002 ADS CONTINUES IN

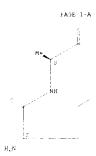
EN 201144-1-5 "AFLUS"
N L Lysicusife,
L Lysyl L alanyl L-alanyl-1-ylutaminyl-1-riotaminyl-1-pr (51)

Aks lute stere.shemistry.

FAGE 1-A



L9 ANSWER 22 OF 58 CAPLUS COFFRIGHT 2002 ACS (Continued) tetrahydt.-2--x: 3-furany1)-, (9.fwdarw.16)-lantam (981) (CA INCEX NAME)



in anywer 20 of 59 marins develont . Wil Add to it ntimber:

FASE 1-1

201544-54-9 CAPLUS C Lysinamide, L-lysyl-C-ulanyl-L calpha.-plotamylifycyl-C alanyl-L

 $alutaminy 1 - L \cdot pintaminy 1 \cdot L \cdot pr \cdot ly 1 \cdot L \cdot alany 1 - L \cdot , alpha. \quad rlottamy 1 \cdot treta. \quad alany 1$

.beta.-alanyl-N-[(98)-feftahyar 2 x -3-furanyl]-, (10.fwdarw.loc-la-tam (9-T) (CA INDEX NAME)

Absolute stere themistry.

13 ANSWER OF THE CARBOS COMPARISHED SOLUTIONS

L9 ANSWER 2L OF 56 CAPLUS COPYRIGHT 2002 ACC (Continued

PAGE 1-C

LS ANSWER 22 OF 56 CAPTUS COPYRIGHT 2002 ACS (Continued)

FAGE 1-F

FN = 201544-56-1 "AFPUS N = E Eyernamide, E-Typyl-E-alanyl E-Flotaminyl-E Lalpha, plotamylthytyl E-

alanyl-t-jlutaminyl-b-riotaminyl-t-pr lyl t alanyl t alpha, rlotamyl-.beta, alanyl-ieta, alanyl-N [130] tetrahyir -2- x -3-foranyl), (ll.fvlarw.16)-lantam (3.1) ("A INDEX NAME")

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LO ANSWER 22 OF 59 WARLES INFYFIGHT 2002 Are inclinational for

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RN 201844-88-8 "AREMS TO Letystomide, Lelysyl L alanyl L plutaminyl L plutamyl problemanyl plutamyl plutaminyl p

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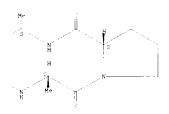
L9 ANSWER 22 OF 58 CAFLUS COPYRIGHT 2002 AGS (Continued)

RN 201544-69-7 CAFU'S CN biyatnamide, Lealanyi-beatanyi biprilyi biatanyi bilahan elintamyiileta, alanyi-beta elanyi-be(200)-tetrahyiri 2 x 3 furanyi), (5.twdarw.1)-lantam (671) c//A INDEX NAME)

Ahs lute stere chemistry.

LS ANSWER 22 OF 58 CAPLUS COLYRIGHT 2002 ATS (Continued)

FAGE 1-B



BN 201544-61 9 TAFFUS TN Entrystramete, foulasyl-finalasyl foulasyl four syl found the substance of the s

Arm dute ofere themistry.

PAGE 1 A

LG ANSWER IN F 58 "APING TIPYFISHT LOSE AND I of attached-

PARE 1 F

RN 201544-62-9 CAFLOS CN 15-Lysinsmide, L-alanyl Usalanyl L alanyl-L-alanyl-L prolyl L alanyl-L

.alpha.-plutamyl-.keta.-alanyl-.keta.-alanyl-N-[-28]-tetrahydr+2 \times -pfuranyl]-, (7.fwdarw.1) lahtam (901) (CA INLEX NAME)

Aksolote stere chemistry.

L9 ANSWER 22 OF 58 CAPLUS COPYRIGHT 2002 ACS

FAGE 1-A

FAGE L-A

pr ly) Lalanyi-1-salpha, ristamyi-shetas-alanyi shetas alansi N (25 fetabyir 2 x (firanyi) , sifeBaresi laitam (<1 % INTES

14 ANSWER 32 OF 58 CARENO CORPERDHT 2002 ACC COntinues

FASE 1 I

201544 #3-0 PAILUS I Lysinamide, L-alanyl L-alanyl L-alanyl-L-alanyl-L alanyl Diprilyl-Lalany1-1-.alpha.chlotamy1-.keta.calany1-.reta. alany1 N-[(93)-tetrahy4r 2
 x 3 forany1]-, (8.fwdarw.1) lactam (901) (CA INDEX NAME)

LS ANSWER 22 OF 58 CAPLUS COPYRIGHT 2002 ACS (intinov4)
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EN 201544-66 0 CAPLUS
ON 1 Systemate,
L alanylallysyl-L-alanylot (lutaminyl-L-phenylalany) 0 pr (y)

Lulanyl L-Lalgha, -plutamyl-, reta, -alanyl-,beta, -alanyl-N [[33]-tetrahydr, -L-,x---tforanyl] , (8.fwdarw.l)-lartam /975) (74 INSEX NAME)

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FARE 1 F

NN = 101544-66-3 CAPLUS CN = 1-Dysinamide, E stanylity myl 1-stanyl-1-phenylalanyl-1-plotaminyl 1-pr lyl- $L-alanyl+L-alpha, \ \, glutamyl-leata.-alanyl-leata.-alanyl-N-[(bS, terranylr-nestar-alanyl-N-[(bS, terranylr-nestar-alanyl-$ I-rxc-3-furanyl]-, (P.fwdarw.1)-lastam (901) (GA INDEX NAME) Aks jute stere chemistry.

LB ANSWER 22 OF 58 CAPINS COPYRIGHT 2002 ACS (Continued)

RN 201544-67-4 CAPLUS (W L-Lysinamide, L-alanylyly W1-1 phenylalanyl 1 rlutaminyl 1 ilutaminyl 1

problek-alanyi to alpha-ribtamyi seta, alanyi-keta, alanyi-N-[(28)-tetrahydr.-2-xe-3-furanyi]-, (P.fwdarw.))-lahtam (20): (TA INDEX NAME)

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FAGE 1 A

FAGE 1 h

PAGE 2-A

LS ANSWER 22 OF 58 CAPLUS COTYRIGHT 2002 ACS (Continued,

FN 201944-66 TARLUS N 1 Lysinamide, b alanyl-b phenylalanyl-b alanyl E plotaminyl-b-clotaminyl-b-

pr lyl-1-alanyl-1-laipha. riotamyl-treta. alanyl keta. alanyl N [(35)-tetrahyln: 2 x -3-foranyl) . Alfwärwil:-laiham (31) - 1% INCEX NAME

Ara lote stere themistry.

L9 ANSWER 22 F 58 TAPLUS CORPRISHT 2002 ACS (Continued)

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L9 ANSWER 22 OF 56 CARLUS COPYRIGHT 2002 ACS (Continue)

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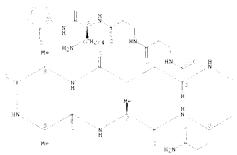
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gr lyi Lalasyi Lalasta, bintanyi shera salasyi serta, alasyi Nejest tetrahyir sissa salarasyi sa shirdareti siaman (shir) siya INEKX Mann

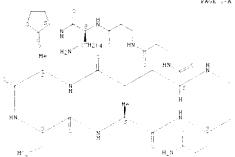
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FAGE 1-A



19 ANSWER 22 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

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19 ANSWER 22 OF 58 CHARDS SUFFYRIGHT 2002 ASS CONSTRUCTS

pr lyl b alanyl-b-Laipha. Flotamyl-Leta. alanyl-Leta.-alanyl N [1935] tetrahydr 2 x 3 foranyll-, [-letatawll-lotex (0.00) % INEAN NAME.

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L9 ANSWER 22 OF 54 CAPLUS COPYRIGHT 2002 ACS (Continued)

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13 ANSWER 22 OF 58 CALCUS CORPERED 2002 ADS - Contidued

FARE 1-8

NN 201544-72-1 CAPENS CN L-Lysinamide, Lalanyl-L-lysyl-L-alanyl Lalaminyl-L-glutaminyl-L-pr lyl

1 alanyl-1-.alpha.-ilutamyl-.keta. alanyl-beta.-alanyl-N- $\{(38),$ tetranylr2+6x+3-furanyll-, (8,fwiarw.1)-lantam (9,1) - 3A INDEX NAME)

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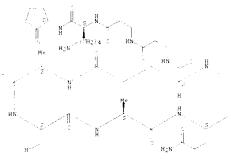
19 ANSWER 22 OF 58 CAELUS FORFRIBHT 2000 ACS (Continued) tetrahydr -2-ix -4 furacyl)-, (8.fwdarw.) -1a:tam (2017 FCA INDEX NAME)

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L-alanyl t beryl L slanyl L plutaminyl-L-plutaminyl-b-pr lyl-

E-alanyi-L-,aigha,-glotamyi . Beta,-alanyi-keta,-alanyi-N-[['85]-tetrahydr
-2- x -3-furanyi] , (8.fwdarw.t) lantam (901) (CA INDEX NAME)

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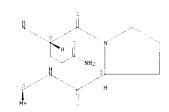
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19 ANSWER 22 OF 58 CARLUS CORYRIGHT 2002 ACS (Continued)

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W.: Friika, L. J.: Stabley, P. E. Wiley: Chichester,

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TODEN: 65 YAG

DITUMENT TYPE: Tinference
LANGUAGE: English
AF Dix lerin response to Nearyl Numberine lantume (Nearyl HSL)
and indivers

Was studied in a naturally occurring dimension of V. fischeri and a

reportering attain of Eagherithia coli. Thely the Dosember of No-30 m Lemanovic HSD induced response in V. Lietheri and E. Fill. No-30 hydr mytotan ylo HCD, the automb ber produced by V. harveyi, i.

diin the expression of the lux per o, but did inhibit induction mediated by the V. fincher: and inducer in toth V. fincher: and E. oli. Normanyl

man yl. HSL was more effective at activating the low genes in E. \sim 1) than N decan yl HSL. No activation of low genes in V. fischerio coursed

either N-minan yl HSL ir N-deban yl HSL.

17 126049-72-7, N-(3 Hydroxybstan yl) hym derine lantine
RDL EAT (6) Digital activity or effective, except adverse. RER
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promedin FICE (8) Digital study): FECT (Fromedin)
(10x activities response in Vibro fisher) and luxi
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Estheristic of (1)
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N Sidmanie, Solydrixy N-((C)-terranyir -2-x-s-furanyi) (OTE- 7X
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Componion Language

LS ANSWER 24 OF 58 CAPINS COFFRIGHT 2002 ACS (Continued) About the store chemistry. Compently available store shows.

ANSWER 24 1F 58 MAFLES 1LEYFIBHT 2002 APS MOSIN NUMBER: 1997:5912LL TAPPUS MENT THEE: 107:275.47 A D m serice lant A- aut 1.00 es terulated 19 ANOMER 24 OF ACTEDION NUMBER: DUTUMENT NUMBER: FITCH: virulente f an insent path jesth sasterium, X-m shatdus nemat philus (Enter Parterianeae Dusphy, Saryy Miyam t., Takili Melonen, Elward Department Natural, New Juries (Princes, Middli University, Minoreal, P.), Hid liv, Yan. J. Easteril. 1907, 170(17), 518-5281 VICEN: MIRARY ISON: DOZI-919 American Siety f r Midriki liv; furnal Engich ATTH FISH: CIRRIBATE SOTEME: SCURIE: THEOLOHER: American Screey for Microbiology
Lichment Type: Usinal
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Applicate: Hydroxybitan ylokomodeline (HEHL), the autinduser er n f the he ... Iumines ent system if Vibir harveys, has been identified as the first small rimpd, to rest rejurinence to avriolent mutants of Xenorhabius nematophilus. HEHC stimulated the level if lipase activity excreted avirulent X. nematiphilus and I wered the phenoloxidase activity in the hem lymph if inserts inferted with K. nemat philos, parameters that \hat{r} th associa, with insect path generals. Moreover, \hat{m} reality of the inserts inferted with aviralent X. nematiphilus was rest red upon impertion HBHL. Thiur-form extr. if medium conditioned with wild-type kit a avorable t X, nemat philosoled to the rellation if a compil with the thread it expellity as HBHC as well as the allity to stimulate the luminasience of a dim autoliciuser dependent mutant of V. barweyi. Tunaster of the V. barweyi lux pern, into auroulent and will type X. Semat philus penerated dim and bright luminescent strains, resp., who etresp nded to HEHC and an agricust and antagenist is a manner analygous their effects on the luminescence of dim but inducer defictient and wild-type strains of V. harveyi, indicating that similar HEHL dependent resulating systems exist in these two basterial species. $126049 \! - \! 72 \! - \! 7$ 126049-72-7
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(however, a lattice automoder resultate virulence of
insect path senit batterium, Xenorhabdus nemat philus
(Enter-kasteria-race)
126049-72-7 (AREUS
Estamanda, 3 hydroxy N (135)-tetrabydro-u-ox -3-furany)) (SCI) (CA
INDEX NAME)

L9 ANSWER 25 OF 55 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 1997:334418 CAPLUS OCCUMENT NUMBER: 127:119145 Detecting and characterizing N ucyl-b miserine signal molecules by thin-layer the mategraphy Shaw, Paul D.: Fing, Gn : Daly, Sean L.: Tha, AUTHOR(3): Thung: Orinan, J hn E., Jr.: Rinehart, Fenneth L.: Stephen K. Departments Or p Schences, Chemistry, Microbi 1 dy Biochemistry, Vniversity Illinois, Orland, It. CORPORATE DAME DE 51401, From Natl. Adad. Sqs. U. S. A. (1997), 94 12), 6036-6041 0.98 E: 6036-6041 TOBN: PNASA6; ISSN: 0027-8424 National Academy of Sciences PUBLISHER: FIELDSHER: National Anademy of Sciences
DOCKMENT TYPE: Surenal
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AB Many Oramones, harteria regulate jene expression in response to their
polition once by sensing the level of anyl-homoserine larbone sional
modes, which they produce and liberate to the environment. We have
developed an assay for these cincuis that hopines sent by thin-layer
throat is, with detection using Air kapterium timefalters hartering The mat 3. With second control of the first in a gene that is regulated by and infinite. With the except in f.

Norther yelliche second last ne, the register Jetestel and his second lastoner with 3- x -, 3-hydrixy-, and 3 unsurstituted side chains f. lengths tested. The intensity of the response was prightly half to ast. If the signal model of the 3- \times - and th 3 oneshabitisted derive, suggested with a unique mobility. Materithe An is late of Eseud monus fly respens produced five detectable es, three if which had novel thromatic, properties. These were identified as the fibries. The f Nibekan yli, N intanyi, and Nideran yl-U-h m serine lantine. The agoay manke used to occeen ciltures of karteria. eria if ranyl bim swrine lattices, fir qualitying the amis, if there mile produced, and as an analy and preparative aid in detay the structures

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28 ANIMER 25 OF 54 PAPEND OLEYPISHT 2002 ADZ Continued (detecting and characterizing anythom derice last be signal molecular.) ty thin layer the mat of Mn 19284 128 CARDO N 19284 128 CARDO The Levanamode, Chydr My N (tetranyd) (25 m (5 foranyd)), (45) (47); (NDEX NAME)

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RN 19288-14-6 CALUS CN Ostanamile, hydr xy N-(tetralydr -2 x 3 foranyi) , 193- [93]: CA INDEA NAME)

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EN 192889-16-2 CAFD'S CN Hexanamile, 3-hydr xy N [(US) tetrahydr--2-rx 3-forany1] (GH) HTA INDEX NAME)

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CA ANSWER 26 OF 58 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 1997:257433 CAPLUS COCUMENT NUMBER: 126:238249

TITLE: Preparation of pephalogorin derivatives for use

antibatterial arente Hebeisen, Faul: Stolder, Henri: Heinze-Krauss, INVENTOR(S): Ingrida

Weiss, Viss Richter, Hanss Yiannik ur s, Ge rie Fetros: Runts, Valeri F. H. ffmann-La R. the Ai, Switz. Eur. Fat. Appl., 68 pp. COLEN: BPXXIW Fatent

PATENT ASSIGNEE(S): SOURCE:

DSCUMENT TYPE: LANGUAGE: FAMILY ACT, NUM. COUNT: FATENT INFORMATION:

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LS ANSWER 26 OF 58 CAPLUS COLYMIGHT 2002 ACS (Continued)

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19 ANSWER 16 OF 56 CARLOS TURYFIGHT 2012 ATS CONTINUES.

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PN 15675-44-7 (ARLUS CN 3-0) Tenande, 5:102-anno 3 memoratopropyliamino)-6-methyl-2-propyl-N-(tetrahydr -2- x -3-furanyl)-, [OS-(3P+[23*, 45, 58*(6*), -8*[]] (901), ("A

Aksolute stere chemistry, Double hind to metry as shown.

INDEX NAME)

155876-45-8 CAFELTS 3-Ostenomide, 5-(()-amin.-temercapt.pr.py()-amin.[.2,c.dimethyloN (certablyde 2 x 3-foreacy)), (35 (Peti22), 48.58+181), 681([])-15-3. ("A INDEX NAME:

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| ISEROK 4- 9 | TAIDUS | R. Stenamide, S. [12] amin. Romercapt propyl amin. Schedul or methyl No | Stetrahydrollow Romanski (1995) [131, 92, FPT 27 (1995) [1] | P.S.

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19 ANSWER 27 OF 58 CAPLUS COPYRIGHT 2002 ACS (Instituted)

PN 167067-75 9 CAPLUS
TN Standards, 5-[(Classis -3 mercapt propy))amin] 6 methyl 1 propyl N
(tetraty in 2 -4 % furany);] (18 [NF1284,834-851,684]); -9C1)

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PN 167327-6234 CAPLCT
N Scottenande, 5 [Cleanin Comerciant propyl Amin [commethylics Inmethylics] Note: the commethylic pyll N coethabyth [2 x 3 foreigns, [7 7 [(38][23], (E.SP(62), (E.SP(62), (E.SP(62)), (E.SP(62), (

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EN 156876 53 R (APPLUS TN Senzemegr galamaide, |alpha.e["-[(2-min 3-meriapt gr pyl)amin]-4-methyl-|becomyl Notterahydr =2- x - s-thranyl: , [36 |38*[,alpha.S*[12,35*(8*),48*]]]|- (901) ("A INDEX NAME)

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FN 187267-74 3 CARLUS
TN 3-Citenamide,
'(12-amin-"-mer rapt-pr-py);amin-] 2 (1,1-dimethylethyl)-tmethyl-N-(tetrahydr 2 cm-3-furanyl)-,
[38 [38:[38:748-745]]](24 INCEX NAME)

And lute stere chemistry.

Double bond geometry as shown.

L9 ANSWER 27 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

RN 187729 65-3 "APLUS"
N 3-Cotenamide, 5-[(2-amin, -3-mercapt pr pyl)amin, [-6-methyl-2-(1-methylothyl) N (cetrahydro 2 'mr 3 furanyl)-,
[(© [PR[CST, RE, SPICE(3)]]]) [partial]- (PCI) (CA INDEX NAME)

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		EW:	KE,	LS,	MW,	SD,	52,	чч,	AT,	ΒE,	Ή,	CE,	DK.	ES,	FI,	FE.	3F.
,			IE,	IT,	L'',	MC,	NL,	PΤ,	SE,	FF,	В1,	CF,	:13,	CI,	ΩМ,	GA,	SN,
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		9663					1997			A	. 19	99-4	4039		1396	೧೯೭೯	
		7140															
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		A:	AT,	FE,	OH,	SE,	CF.,	ES.	Fŀ,	SE,	GK,	ΙT,	Ll,	LU,	NL,	SΕ,	FT,
, FI																	
· J	ŀ	2000	5010	63	т	2	2900	0202			P 19	97-5	0457	4	1995	0626	
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															1395		
															1396		
PLITTE	a.	STRIPE	101.			MAT	LLT	126.					,				

ANSWER 28 OF 58 CAPLYS COLYRIGHT 2002 ACS (Continued) anchorage independent trouble fixed belia in vivo at much lower concess.

Compared to the individual inhibitors alone.

If 156876-44-7 156876-48-1 56876-48-9
156876-49-0 156876-49-1 156876-49-1 156876-51-6
156876-32-7 156876-33-8 187267-74-9
18726-78-0 18726-78-1 187327-62-4
Edit FAC (Brilogical activity or effect r, except adversely THY (Therapeutic usely FBOL (Brilogical study); VSES (Yaka)
(pregn. of farnesylephotein transferase inhibitor ombinations)
PN 156876-44-7 (APLES
CN 3-00tenande,
5-((2-amin-3-meroaptopropyl) amin)-6-methyl 2-gropyl-N-(tetrahydro-2-ix -(-foranyl)), (NS (YP*[23*, VE,5R*(S*),6R*]]] (SM)
(CA

(CA INCEX NAME)

Aksolute stereochemistry. Couble bond resmetry as shown.

156404 49 8 TAPLUS Contenantly for exchange [] 2,6 dimethyl Notetrahydro work - Gibrarys-, [95 [$9^{+}(25^{+}, 95)$ ($5^{+}(35^{+}, 85^{+})$]) > 97: .::A INCEX NAME:

Abs into stere chemistry. Droble bind se metry as ab wall

LN ANSWER 28 OF 58 MARLYS MEYALDHT 2002 ADS 100 proceeds

The present invention relates to impus, impresso; amts. If at least

therapeutic agents selected from a group consisting of a fatnesyl

pr tein
 transferase (FFTase) inhibitor which is an effective inhibit r (t the
 enzyme because it is 0 mpetitive with respect (t) the pr tein
 substrate of

trate of the enzyme and a farmesyl protein transferase inhibitor which is an effective inhibitor of the enzyme because it is competitive with

effective inhibits of the enzyme todates it is ampetitive with respect to farmesty pyr phosphate. Further contained in this invention are meth do if inhibition farmestyleps tein transferace and treating banter in a mammal, which methods comprise administering to said mammal, either sequentially in any other or simultaneously, among it is as least two therapeutic agents selected from a group consisting of a farmestylepton.

ein transferase inhibit, which is an effective inhibit, of the enzyme beyause it is a competitive inhibit with respect to the protein substrate of the enzyme and a farnesyl protein transferase inhibit or

n is an effective inhibitor of the enzyme because it is a competitive inhibitor with respect to farnesyl pyroph sphate, in amis, sofficient

achieve an additive in synergistic therapeutic effect. The invention

relates to methods of preps. such compare. Thus, a combination of professionalistic FPTase inhibitor (preps. gives) and farnesyl psychologists—comparitive FPTase inhibitor (I (preps. gives) limbited

19 ANSWER 28 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

[56876.46-9 UAFLUS]
3-Dottenamide, 5-[/2-amino-3-merraptopr.py1)amino]-2-ethyl-6-methyl-N-(tetrahydro-2-bxo-3-furany2)-, [93 [3R*(23*,3E,5R*(3*),6R*]]]- (92I)

INDEX NAME)

Are lute steretchemistry. Double bond geometry as shown.

154876-47-9 CARLUS 5-5 (because, 5-5 (2 amin - 5-metrapt prip) amin (5-methylour))-methylethylour tetralysts 2 x+3 furanylo-, ['5-[38*(25*,28,58*(5*),68*]]] (3C) (TAINDER NAME)

Aksilute stereichemistry. Diuble bind je metry as shiwn.

| ISERTA 49-1 | CAPLIES | 3- Hermanide, Followers and service representation of the methyl Hermanide, Followers and Followers (Followers) | Followers

Aka lute stere chemiatry. Durie roi se metry as ab wo.

ER ANSWER 28 OF 50 CAPTUS COPYRIGHT 2001 ACC ("introded)

Absolute stere chemistry. Double hond permetry as shown.

RN 156876-52-7 CAPIUS CN Cycl-pertaneametamide, .aipha.-[3-](C-amin-3-mercopt-propyl).min-]-4-methyl-1-hemosyl, N (tetrahydrod x -3-foranyl)., [35-[38*[.alpha.5*[1E,38*(5*),48*]]]] (901) .7A INLEX NAME)

Ats.lute stere chemistry.

LS ANSWER 28 OF 58 CAFLYS CONTRIGHT 2002 ACS (Pintipued)

INCEX NAME)

Absolute stere chemistry.

Abs lute stere; hemistry.

Aka lute atere chemiatry. Diddle h nd je metry as ah wn.

DR. ANOMER 28 OF SR CARDUS (CEYPLISHT 2002 APS). (Continued) Codele bond permetry as shown.

RN | 156876-57-8 | CAELUS EN Benzenegr panamile, .alpha.-(--(C2 mmin - 2 merhapt propyl)amin -) 4 methyl -1 hekenyl|-N (tetrahydro-12-x - 3 furanyl) , [32-[38*[.alpha.S*(1E,35*(3*),48*)]]|- (901 - (CA INDEX NAME)

Absolute stere chemistry. Double bond go metry as shiwn.

RN 187247-74 9 "AFLYS
(N 3-Octementle,
5-[(2]amin] % mercapt program in] % (1,1 dimethylethyl) % methyl N*(cetrabyi - 2 × + + foranyi) *,
[35-[38-[24], 3E, Sec (8), 6E (1)] } (2*1) (7A INGEX NAME)

Absolute stere chemistry. Double bond geometry as shown.

19 ANSWER 26 OF 58 CAPLUS COPYRIGHT 2002 ACS (Stationed)

L9 ANOMER 29 OF 58 TARLIS COEFFIGHT 2902 AIS ACCESSION NUMBER: 1997:13393 CARLIS COUNTERT NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303) ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303) ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303) ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303) ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303) ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303) ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303) ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303) ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303) ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:13303) ACCESSION NUMBER: 120:13303 (ACCESSION NUMBER: 120:1

126:101661 Apribaterial activity of kinine

peptides Hoek, Keith C./ Milse, Manne M./ Grieve, Fuol APTHIR(S): A.r

Dr nyanna, David Alf Smith, Flow Feather Fold Technically, Tep. Framany Industries Queengland, Queengland, 4707, Australia Antimur c. Alects Them ther. (1997), 4101),

Two percented from hoving last ferrin (Li) with recomming thymalo.

Two pertides were a purified, one identical to it also hord another differing from if the by the institution of a Osterminal alamine (lastifering). Two their pertides were a purified from extyposin hydrolyzed Lf, one differing from Library Fig. the inclusion.

 $\boldsymbol{\beta}$ terminal alanyl-lemmine and the other keing a haterodimer linker

by a signifide kind. These peptides were isolated in a simple step from thym simply/relyzed Lf by membrane innewchance our mut it and were purified by reverse phase binh-pressure line should not at 0. OHELD. They were than attended by N-terminal Edman sequencing, mass spectrometry, and antibarrerial activity data. Fure last fermina, peptid-from pepsin-by/relyzed Lf, was purified by std. for man it to changes.

This peptide was analyzed against a no. of gram post and gram-negotacterial refere and after refine of its disulfible hold in observate after its small methionine residue and was found to inhibit the in with of all the test.

kasteria at concess. if .lt.req.8 .mu.M. Subframents if

tacteria at Control in incidence resemble.

[artiferiners]
were is lated from reduced and Sleaved peptide by reverse phase HEC. Sufframent 1 (residues 1-19) was active against most if the test more regarded at control of 10-50, much. Sufframent 1 (residues 11-26)

was active against only a few mirrorizations at control. The rep.100 mac.M.

.mo.M.
These antibacterial studies indicate that the activity of lartiferricin is mainly, but not wholly, due to its Noterminal relica.

IT 185679-08-7P Ris FAC Fr 1 incal activity is effect t, except asverse, sEN Fit opothetic preparations (RM (8) periods) PT, Joseff Sation, or recovery's File (N) 1 intal activity of FEE Jergalant or continuous and activity of Evapor last ferrin derived peptides: EN 1856-200-7 CALING

EN 1856/9-08-7 DAELUS 70 L-Arbititamide, 10 L-Arbititamide, 11 L-Arbititamide, 12 L-pateroyl L arbityl Darbityl L Laphenylolany) to hypotenyl L arbityl phyl-N-(tetrahydr (2- x - forenyl) trypt phyl-L-plutaminyl-L-trypt phyl-N-(tetrahydr (2- x - forenyl) 3-1 TA INDEX NAME.

Are lute stere themistry.

FA3E 1 A

L9 ANSWER 29 OF 58 CAPLUS COPYRIGHT 2002 ACS (Cintinued,

LS ANSWER 30 OF 58 TAPLUS COPYRIGHT 2002 ACS ACMESSION NUMBER: 1966:692075 CAPLUS DICTUMENT NUMBER: 126:603.0 TITLE: Library semeration through successive

sukstituti n. f

APTHOR(S):

triphicititatine Stankrva, majdar Lekl, Michael Sejectude Copp., Turson, AZ, 26797, USA M.I. Diversity (1896), 2017/20, 75-80 CODEN: MODIF4: ISSN: 1361-1991 CORPORATE SCURTE: SOURCE:

ODEN: MIDITA/ ISSN: 1361-1991

PRELISHER: ESCUM
FORTMENT TYPE: Stornal
LANGUAGE: Endies

An The decreasing reactivity of this, dis and monochile triazine was
utilized
for the solid phase construction of a dominatorial library with three
randomized prostroms, using 20 amino abode and 50 amines as building
block. The first children at moves selectively substituted by
outling a
large excess of triable outriazine or the support broad amino and,

large expecs of triphly retriazine to the support bound aming anid,

avoiding simultane os substitution of the second chlorine. The second and third diversity positions were selectively introduced by coplini

third diversity position were relectively introduced by cupling aminon at different temps. Hixto, it mode, computs, were synthesized and stadyged, showing the irrest representation of all expected on a literary composed [11,700] opens, was personal mode, this method, 185217-52-1P 185217-53-2P 185217-54-3P 185217-53-4P 185217-56-1P 185217-61-2P ED: SFN (Synthesis preparation) FREE (Preparation) this method control of the synthesis preparation of th

6 [[2 e=thylth: lphenyl[amin.]-1,%,5-triadic 2 yllamin.] N-C+*rahydr 2 exc 3-furanyl)-, [3(5)] - (90) - ... INTEX NAME:

Ars lute stere chemistry.

pa Answer 30 of 56 CARD'S COLYRIGHT 2002 ACS COLUMN AND LESS

AN 185217-53-2 DAELUS (N Pentanamide, 5-[(aminoimin methyl)amino]-2-[(4-((3-amin propyl)amin] 6-

 $\begin{array}{lll} \{(2\cdot(\mathsf{methylth}\ | \mathsf{phenyl} | \mathsf{amin}\)\ 1,3,5\cdot\mathsf{triaz}(\mathsf{n}\!-\!2\cdot\mathsf{yl}| \mathsf{amin}\)\ \mathsf{N}\ (\mathsf{tetrahydr}\cdot \cdot \cup \cdot \otimes \mathsf{k}\! +\!3\cdot\mathsf{forabyl})\ ,\ [3(3)]\!+\!(901)\!-\!(\mathsf{CA}\ \mathsf{IR})\mathsf{EX}\ \mathsf{NAME}) \end{array}$

Ais lute stere chemistry.

 $\begin{array}{ll} \{\{2\text{-}(methylthi)\}pheryl\}amin^{2}\}, 1, 3, 5\cdot tr(azin-2\cdot yl)amin^{2}\}, N^{2}(tetrabydr^{2}+2-x)+forasyl\}-, \{2(3)\}-(3^{2}), (23), N^{2}X, NME). \end{array}$

Abs lute stereochemistry.

L9 ANSWER 30 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued.

Als lute stere themistry.

185217-62 3 CAPLUS
Pr paramité, 2-[(4-]tis/phenylmethyliamit.) f [[]
methyltin sphenylmin.)-1,7,5 friazin-1-y(jamin.)---hydr xy Nitefrabydr. 2- x--3 frianyl---, [3-5]----3-[]. CA INIEA NAME:

Aks lute stere themistry.

LR ANSWER NO OF 58 TARLETS COPYRIGHT 1992 ANS CONTINUED

 $\begin{array}{ll} \{(2) | smethylth(spheny)\} amin()(1,^3)^4 | trialin(2syi) amin()(Newterrarydr(-2sys)) | trialin(2syi) amin()(Newterrarydr(-2sys)) | cannot name) \end{array}$

Abs lute stere chemistry.

186217-69-1 CAPLUS Programmide, 2-[44-12,3-dibbydr -1H-ind 1-1 yi)-6 [[2 (methylthi-)phenyl]amin-[-1,3,5-triatic 2-yi]amin-[-3-bydr xy-N (setralydr 2--x-3-furanyl), (3(0)) (021) (CA INDEX NAME)

Aks lute stere whemistry.

LS ANSWER 30 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

RN = 185017 43 4 GAPLOG TN = Proparamide, 3-hydr xy 2-[[4-(4-methyl-1-piperaziny]) \in [[2]

 $\label{eq:methylthic} $$ (methylthic)[henyi]amin_{i=1}^{n}, (5.5)$ for anylin, $$ (90)_{i=1}^{n}, (90)_{i=1}$

Atsolute stere othemistry.

L9 ANIMER 31 OF 58 MARLYS THEYBRIGHT 2001 AND ATTESSION NUMBER: 109:10724 FAR DYS DECEMBEN NUMBER: 105:167-402 TITLE: FROM 1 Call analysis of the French minar Aprilin Fa anti-notive (ACT | ACT | Far and minar apriling Fastad r. Danian ; Turker, Kenneth L.: Nertin, Marris | March | Marc AVTH'R'S): Kevis Fir Drunnet, Michel Fir Yende, Andrew Sir Injewski,

Barkara H.

CORFORATE SOURCE: Dep. Morrin 1. Immun.1. Them., This., Rochester, NY, 14442, USA

SOURCE: J. Barkeri I. 1299; 179(30), 5368-6303

DOUBLEST TYPE: Journal AMAY INSN: 1921-8133

AMAYASE: Exited
AA A beries of objectual anal is of the foed monae aeronical automotive [4A1, N-2-ox -d decampy) homoserine last ne] were intained and tested for their ability to act as automotives in atomicalist the expression of the their active to the control of the game for elastase (last) by measuring theta-cularites have production at last-land sene fusion in the presence of the transcriptional hat r. Lask. The data suggest that the length of the anyl side chain of the authority mod. is the most brit, factor for activity. Replacement of the ring 2 by S in the homoserine lastice molety can be tolerated. Tritium-labeled PAI ([3H]FAI) was synthesized and used to deminatrate the assume if [3H]FAI with relia verexpressing lack. The FAI analog were were also tested for their ability to empete with (SH)IAT for kinding of Lask. Results from the impetition assays surrest that his again the length f the anyl side chain appears to be crucial in antagoner activity. presence of the 3- ∞ , movely also plays a simulational role in Finding since analogs which larked this movely were much less effective in blocking kinding of [3H[PAL.] All analogs demonstration of myetiti κ with

FAI in kinding t Lask also exhibited the shility to activate lash
express no suggesting that they are fundinal analogs f FAI.

IT 177158-22-49 102359-60-00

RUL RAT (Endiquoal activity or effect r, except adverse); SEN
(Synthetic)

L3 ANSWER DI F 18 (AFED) DEPREMET L360 ATT (Continued)
L38F expression

RN 170168 20 4 TAREDO

N Hewanamode, de a (Ne)tetranyir , x 3 foranyi) , c = 20; .7A INI Ex NAME: Aks lute stere chemistry. U de san**ame**de, Rehydroxy-Ne(terrahydro 1- xc Refuranyl) - 0.11 NAMF: . H NH= C-CH2-TH CTH2, a : Me

L9 ANGWER 32 OF 58 CAPLUS COFFRIGHT 2002 ACS ACCESSION NUMBER: 1996:476613 CAPLUS COCUMENT NUMBER: 125:143327 TITLE: Freparation f .alpha.ketomide derivatives as Preparation of valphon-ketomide derivatives as mathepsin Linhibitors.
Schda, Takashir Pujisawa, Yukir Yusuma, Tsune o Miz yuchi. Junji Takeda Chemital Industries, Ltd., Japan FCT Int. Appl., 86 pp. CODEN: FIXXED Fatent Linking Lin INVENTOR (S): PATENT ASSIGNEE(S): LANGUAGE: FAMILY ACC. NUM. CO FATENT INFORMATION:

PATENT NO. AFFLI ATION NO. DATE PATENT NC. FIND DAILS

WO 3619079 A2 19909510 W3 1995-192389 18351124

W3 9619079 A3 19969912

W: AL, AM, AM, EB, EG, ER, EY, TA, FN, FZ, EE, F1, GE, HM, IS, KR, KZ, LK, LR, LT, LV, MD, MG, MK, MN, MK, NG, NZ, FL, ED, 36, SI, SE, TJ, TM, TT, UA, US, US, VN PW: FE, LS, MW, SD, SZ, US, AT, PE, UH, DE, CY, ES, FE, UH, SR. IT, DY, MT, NE, PT, SE, EF, BJ, TF, TS, T, TM, GA, SN, MD, NE, ON, TD, TD

JP 08208462 A2 19960813 IF 1995 304282 19951122
A0 9830818 A1 19960417 A0 1994 3998 19951124
EE 794093 A1 19979910 EF 1995 30773 19951144
R: AT, FE, TH, DE, CK, ES, FE, DE, SR, CE, LT, LL, LU, MC, NL,
SE While Sounders: MARKAT (25:143327 AREA (25:14327 AREA (25:14327 AREA (25:14327 AREA (25:14327 AREA (25:14327 A

N-benzyl.xymark.nylis leumyl-(2),381-3-amin.-2-bylr xy-4-phenylbutyrid and henzylamide was stiered with l-ethyl %-13 dimethylamin propylbratholiumide hydrochl ride and pyridinium triflu manetate in MedSC/PhMe to sive 8-% N benzyl-xymarkaylis lenzyl (20,361 %-amin-2-ox--4-phenylbutyrid and. The latter inhibited oxhoppin L with ICSC = 1.1 times. IC-6 M. IT 19549-96-39

Fig. BAT (Firl giral activity in effort m, except adverses) SEN (Synthetic

(Gystheti) preparati ndr THU (Therapeutin use): FITL (Bi i linal study): IRES (Preparati ndr USES (Maes) (Brept. i valphus Ket amode Jerson, as nathepsin L inhibit of EN 199849-9600 (APC):

L9 ANSWER 32 OF 58 CAPLUS COFFRIGHT 2002 ACS (Continued)
CN Carbamar and,
[1-([[2,3-di.x.-1-([cheny]methyl]-3][(tetrahydr:-2-rx.-3furanyl)amin()[rr.pyl)[amin.]carb.nyl]-3-methylbutyl]-, phenylmethyl

Aks lute stere chemistry.

179550-38-OP
Pil: KTT (Resitant): SEN 'Synthetic greparati nor FREF (Preparati nor FreE) (Pre

Ata lute stere, themistry.

19 ANSWER 33 OF 56 CAFEUS COPYRIGHT 2002 ACE ACCESSION NUMBER: 1968:295799 CAPEUS LOCUMENT NUMBER: 125:5546 TITLE: Current panerous 16 Vibri

1996/2007/00 GARDIO 125:5908 Quinum renchin in Vibri finither, parking automodurer-Lox& interactions with automodurer anal 15 AUTHOR(S):

Schaefer, Amy L.: Hanzelka, Brian L.: Frenhaid, Anat is Breenheri, E. F. Dep. Micr kiel yy, Univ. I wa, I wa Sity, IA, CORPORATE SOURCE:

SOURCE: 7. Factorial, 1998), 178:17), 2800-1991
DOZUMENT TYPE: 1 cital
LANDYANE: 5. Earliel
AR The Vibrio fisher: luminaramente jenes are activated by the
transmitter. 1 cital
No. (% or bekannyl) & momentum lattome, teamed the activated of the
synthesized a set of autoliationer analyse. Many analise with
alterations
in the anyl side than showed evidence if binding to DoxR. Sime
appeared
to bind with an affinity special or 10.

aged to bind with an affinity similar to that if the autoindurer, but none showed a higher affinity, and many did not bind as fishing as the autoindurer. Fir the most part, complex with substitution in in the homoserine labtice ring did not show evidence if binding to Luxk.

exceptions were compds, with a homogysteine thi last he ring in

the him serine last me ring. Many but hit all of the analogs ab wind evidence of Luxh binding had a me ability to activate the luminescence menes. None were as active as the authindurer. While most able wed

ability to induce luminescence, a few analigs with rather conservative

substitutions had appremable activity. Under the conditions

substitutions had apprehalic activity. Order the schill employed, as me of the analogs showing little r no ability t -induce lumines sense.

were inhibitors of the autoindurer.
IT 177158-22-4

IT 177159-22-4
 RL: BAC (Boological activity or effector, except adverse): FPE
(Fictorical
 process): BICL (Biological study): FROC (Frocess)
 (quorum sensing in Vibrio fischeri: probin; antomobiner look
 interactions with autoinducer analogs)
BN 17715-22-4 CARDIS
CN Haxanamide, 5 Nor-N (tetrahydro-2-nx -3-furanyl)-, (S)- (271) (CARDIS)

ON I NAME: L3 ANSWER 33 OF 58 TABLES TREYFIGHT 2002 AGS 10 stimus 5. Absolute sterm chemistry.

L3 ANSWER 34 OF 58 CAPLUS COPYRIGHT 2000 ACS ACCESSION NUMBER: 1996:248600 CAPLUS DOCUMENT NUMBER: 124:250285 TITLE: Preparative 6 - act Preparation of peptide so eel halintonin anal n hypotaltemia Noda, Hitoshir Yoshina, Shipeakir Ishida,

FATENT ASSIGNEE(S):

Tomiya, Nobicu Sanwa Kajako Kenkyush (10., Ltd., Japan Bar, Far. Appl., 12 pp. CODEN: EFXXDW Patent English 1

DOCUMENT TYPE: LANGUAGE: FAM:LY ACC. NUM. CO FATENT INFORMATION: COUNT:

PATENT NO.	KIND	DATE	AFFLICATION NO.	DATE
EF 694561		19960131	EF 1995-109138	19950613
R: CH, DE,	FR, GB A2	, IT, LI 19960109	JF 1994-138618	19949621
US 5536812	Α	19960716	US 1995-499669	19059615
CN 1120549	A	19960417	TN 1995 107036	19950620
RIGHTTY APPLN. INFC.			JF 1994-198618	19940601

H-Cys-Ser-Ass.Leu-Ser-Thr Cys-Val-Leu-Sly-Lys-Leu-Cer-

Sin Sin Leo His Lys ter Sin The Tyr ir Arr Thr Amy Valisity Ala Siy Thr Hss-NH2, [Hss32-NH2] sel calcitonin (Hss = hom serine), which

High-Nac, instruction of the final state of the first state of the native selection of the state of the native selection of the state of rainium conon, in blood, has been prepd. I was prepd. by the s lid phase

di usini a peptide synthesizer (m.del 471A manufd. by Applied Bi systems Ch.), an amin-methylated polystyrene resin, and by usino Netertobut wy mark nyl-Cohenzyl-Lob m servi-4- symethylphonyla etic

acid as the Hammanic Both a limb. If I and natural medical nit non-were administered by i.v. to a Wister made rat and its serum calcium.

19 ANSWER 34 OF 58 CARLUS COPYRIGHT 2002 ACS (Continued)

PASE 1-A

тн₂- тн₂- т- мн₂ | H2- TH2- T- MH2 | TH2- T- MH ти₂ - он ти₂ - он ти₂ - он

116

L9 ANSWER 34 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

LR ARGWER 44 OF SE CAPLUS CUPYRIGHT 2012 ACC (Continued)

1A3E 1-1-

FASE 4 F

And lute stere themistry.
Purrently available steres shown.

In ANSWER 35 OF 58 WARLWS COLVEIGHT 2001 ACS
ACCESSION NUMBER: 1096:146303 WARLWS
DOWMENT NUMBER: 125:16650
THE FIRE of the lux autindozer in regulation
TITLE: Uninessence in Vibric harveys introl of luxk
ANTHOR(S): Mayard Carl Mis Chatterjee, Jandajs Swartzman,
Elinas Szittner, Rises Metihero, Edward A.

CORPORATE SOURCE: Dep. Biochem., Mobil Univ., Mobiled, PG, HSG
TYG.

G.UBITE: Mi. Micris 1. (1396:, 10(4), 261-25
COLDEN MOMIET ISSN: 0950-382X

DOWMENT TYPE: Journal
LANGUAGE: Hi. Micris 1. (1396:, 10(4), 261-25
COLDEN MOMIET ISSN: 0950-382X

DOWMENT TYPE: Journal
LANGUAGE: Hi. Micris 1. (1396:, 10(4), 261-25
COLDEN MOMIET ISSN: 0950-382X

DOWMENT TYPE: Journal
LANGUAGE: Hi. Micris 1. (1396:, 10(4), 261-25
COLDEN MOMIET ISSN: 0950-382X

DOWMENT TYPE: Journal
LANGUAGE: Hi. Micris 1. (1396:, 10(4), 261-25
COLDEN MOMIET ISSN: 0950-382X

DOWMENT TYPE: Journal
LANGUAGE: Hi. Micris 1. (1396:, 10(4), 261-25
COLDEN MOMIET ISSN: 0950-382X

DOWMENT TYPE: Journal
LANGUAGE: Hi. Micris 1. (1396:, 10(4), 261-261
COLDEN MOMIET ISSN: 0950-382X

DOWNET TYPE: Journal
LANGUAGE: Hi. Micris 1. (1396:, 10(4), 261-261
COLDEN MOMIET ISSN: 0950-382X

DOWNETT TYPE: Journal
LANGUAGE: His Journal
LANGUAGE: Hi. Journa

L+ ANSWER RE IF F6 TAPLUS THEY BHT 2002 AND STREET BEDGE

19 ANGWER 36 OF 58 CAPLUS COPYRIGHT 2001 ACS ("Intimued) (as aut-inducer if statilhary phase and this sphere-expressed

(as aut inducer if stationary phase and rhip sphere-expressed lenes in Rhazibium Leguminosarum) EN 12671-00-0 CARLUS CN Tetraderenamide, 3-bydr xy-N-(tetrabyir 200x 3 furabyi)- (281, CA INDEX NAME)

:M 1

JRN 172670-99-4 DMF 018 H33 N 04

ANUMER OF SE TABLES TOYALDE 2012 A T ANUMER OF SE TABLES TOYALDE 109:1941/5 TABLES TABLES TOYALDE 109:1941/5 TABLES TABLES TOYALDE 109:1941/5 TABLES TABLES TOYALDE 109:1941/5 TABLES TOYALDE 109:1941/5 TABLES TABLES TOYALDE 109:1941/5 TABLES T ACTHUR SEE E t ye, Filatit E. A.: Greenter; E. Feter Dep. Microbill, Univ. I wa, I wa City, IA, CLAPORATE SCHETE: 52042, MGA STRIKTE: DITUMENT TYPE: LANGUAGE: GI Fral: at

 $Et = (\mathrm{cH}_2)_{|T_1|} \mathrm{cH} = TH - (\mathrm{cH}_2)_{|T_1|} \mathrm{cH}_2 + \frac{\mathrm{cH}_2}{TH} + TH_2 + \frac{\mathrm{d}}{T} + NH$

AB The Sym plasmed pEC131 encodes functions for the formation of note jet includes by Rhiz-Eigh Legumin sarum. Some of

n dulation genes are anythred in resignation of them. signals

used by the plant rist, and others are required for product forbem, simular resonnized by the plant. Plasmid pRLDM also contains a resulat by

thiR, that is himply-jous to luxB, the transmiripti hal activat $r_{\rm c}$ flumineshence genes in Vikti-fisheri. LuxB requires a signal

timpl, an automotive (if n=1.5) m = K=n), for its activity. The authors have

limintified an R. legumin samum aut induser that, to sether with RhiR,

required to activate both the chiz sphere-expressed chiABC opens, and

gr with inhibiting function end ded by pkllff. This intercellular er ar al

ar is an N-adylated hom serine lastone structurally related to the V. fischeri and other autoinducers. These findings indicate a new level

intercellular communication in roll include formation. 172671-00-0

172671-00-0 RE: FAT (Brilegical activity or effector, except adverse); FKF (Freperties); BECL (E: 1 queal study)

L9 ANSMER 37 OF 58 TABLUS COMPRIBED 2002 ACS
ACCESSION NUMBER: 1996:36134 CAPLUS
DOCUMENT NUMBER: 124:81661
TITLE: Factorizin small of Rhizobium lejuminosatum
bel 075

t the class of N amyl-L-homiserice last-ne

m.lecules.

known as automounters and as quorum sensing the transcription factors Schripsema, "and de Mudder, Karel E. E.; van APTHIR(S): Vliet,

The Bur Lankherst, Feter Bur de Vr. m. Erik: Eijne,

Fighe,

San Wir van Brussel, Aut n.A. N.

CYRETRATE SCURCE:

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terriderancy); I. h. m. gerine last new land wear accommodation of the obtains a lower or that may no the mil. What detail by the use of the obtains a lower or the Color and h. (1994), detailing a lower or the obtains. Small batters in an attracturally related to the operum mensing obtainers; it is for sense if more theretay, and he within finishers, freedom now hereign may service may Erwinia currently ray and Aprikanterium tumefacients, which are involved in animal more the or glant more the interaction.

mechanism of regulation of such interactions by this kind of containeright in factors settle only we in R. Legomin sarum. 172617-17-39

PL: BOT (Bid) mind in mireure i PRE (Fr perties): ETR (Furification

re: veryl: ELL (B) L is all study): 0.70 (Dimiretie): PREF (Fregaration)

edition: - (Karteri-rin of Phis kium lejumin sarom kel nos to class of - N ary) L b m serine last ne molso known as aut indurers and as

gu cum PN (1704)2-7 - CALMO TN (1704)2-7 - CALMO TN (1704)2-7 - CALMO TN (1704)2-7 - CALMO (1704)2-7 -

Ata lite stere themistry. I hade bind is metry as ab who

(3 ANSWER 37 OF 58 CARLOS OF PYRIGHT 2002 ACS OF Attached-

Ή i kanada CHOS

1,2-, for 1,4-phecylene, CHCCCHRI7, ethir wherein RI7 - H, DI 6 alkyl, aryl-00-6 alkyl, 03-10 heter.gydyl-00-6 alkyl, 04-10 heter aryl-00-6 alkyl, R7 = 0-50 ori, miety or R7R] = 0<50 kifunoti nal lij. monety) results and acceptable suits there flure prept. These complexitables est-translational modification of ras proteins by farnesyl-

protetranslati had modification of ras proteins by farnesyl transferase and and geranylieranyl transferase and are useful in the treatment of ras-assist, buman cancers, and other orbitis is mediated by tarnesylated.

peranylyeranylated proteins. Thus, BookCystTrtu-CH was condensed

N.O-dimethylhydr mylamine using 1-hydromytenz triad 10, DOT, and Nomethylm rph line in DMF to Forestrian Neighbourd reduced by (Me2HEH2)2AlH in Lexane to Duene at $-75.\,\mathrm{degree}$, for 36 rin to give

cysteinal Bosséys(Trt):H, which underwent addn. reaction with th, BossoH: H HoldMed Net using Boli in hexade THE at 178, degree.

ive a mixt. if liasterenmeral alig.

BonNith: THASTer: THICHITH: THOUSIMEAT

Med. The latter in mpd. was mynlized by treatment with NaH in THE at

temp, evernisht to the war lidin ne (III R = H) and its dissible mer, anylated by B- CD in the presence of 4-dimethylamin pyridine in THE total.

Bodypt tested - Mazelidin se II (B = B of, which was oropied with

in the presence of DuMN and BERNEED at -Rendegree. * Codegree. *

the claffin milyl ether (III) R * THUSSIMed:Medyl. This was

with BoANF in THE, exidized with pyridinium oblin our mate in THOTIC

the aldehyde III (R = TMO), and underwent addn. reacts n with (E)=ICH: HCC2Me in the presence of NLC12 and chold in TMF to give the disastereumeric alos. (III (R = TMCM) HCMHUZMe), which was morylated

Medical in TH2:12 % not. Et3N to give the mesplate III F = 1. The latter ompd. Was coupled with FhTH2Mi21 in the presence of SiN and FF2.0EC2 at SR.degree. To discree. Universe the lines III (E = 2), wherein F13 = 0Mer. Which was say not with InTH in a, it issue to the mark Mylin and III (E = 1), wherein F13 = 10, on densed with grafit bencyl to methicale byth object of energy and Mykenz triazile.

C3 ANSWER 38 OF 58 MAPCHS 1.EYPIGHT 2002 AND ACTESION NUMBER: 1995.994917 PARCHS 120148655 TITLE 1 120148655 PREPARCH 1.00148655

Preparation of amin mercapt alkyl containing

mimeting as is prenyl transferage inhibit to f :

treating human functors Lewis, Michael Dus F wallcyk, James Jus Christia, INVENTOR (S):

E.) Fan, Puling Harrington, Edmund M.; Sheng, Xiamonina

".: Yanı, Hur Gariya, Ana Marias Bishinuma, Leharur

Et, Al. Erman (V., Etd., Mapan) et al. Fort Int. Appl., 200 pp. CODEN: FIXXD2 Farent FATENT ASSIGNEE:S):

LECOMENT TYPE: English 1

LANGUAGE: FAMILY ACC. NUM. CS. PATENT INFORMATION: DUNT:

		AFFLICATION NO.	
WC 3525086	A1 19950921	WO 1995-033387	19350415
W: AU, CA,	TN, FI, HU, U.,	KE, NI, NZ, RY, MS, M	3
AW: AT, FE,	CH, DE, DK, ES,	FR, SB, SR, IE, IT, L	J, M ⁻¹ , NL, FT, SE
TA 3185441	AA 19950931	CA 1995-2185441	19950715
AP 9521227	A1 1995100 t	AF 1995-21887	19950315
EF 750509	A1 19970102	EP 1995-914696	19950915
R: AT, FE,	TH, DE, EK, EC,	FR, 3F, 6R, IE, IT, L	I, LT, MC, NL,
PT, SE			
ON 1151156	A 19970664	IN 1995-192916	19950715
T: 10503666	T3 19980129	JE 1995-524204	19950915
HU 77406	A2 19960428	HV 1996-2516	19950315
FI 9603597	A 19961114	FI 1996-3597	19960912
NO 9699860	A 19961113	NO 1996 3860	19960913
US F840918	A 19981124	US 1997-704664	19970313
PRIDEITY APPLN. INFO.	. :	MS 1994-214793	19940315
		98 1994 277201	19940719
		W. 1995 US3367	19950315
OTHER SOURCE(S):	MAREAT 124:1	46855	

* STRY TURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Peptidomimetri compds. [1: R1 = H, (un)substituted NH2: R2 = H, .71 alky1, 76-40 ary1 00 6 alky1, 73-10 betervary1-00-6 alky1: R3 = H, 71-6 alkyl, 76-40 aryl-70-6 alkyl: E4 = 73 16 ty:l:alkyl, 63-16

ANSWER 36 OF 58 CAPLUS COPYRIGHT 2002 Ars (Continued) DCC, and N-methylm.rph line in DMF to live the protected title compd.

(R = Q2), wherein R19 = Met-UJ6H4NC2-p), and depritedted by treatment

(a) Na2S in aq. THF and (b) EthSiH and OFRCO2H to give the title

compd. (V). IV at 1.0 mg/mouse inhibited the growth of human timer (H ras GLEttansformed NIH)T3 fibroblasts) xenegraft in more to 16.53 of the posterior

control.

IT 173250-25-4P

All EAC (All local activity or effector, except adversels SFN
(Synthetic preparation): TRT (Therapeutic use): RISL (Eiclibinal study): PREP (Frequencia): VSES (Maes) (preprior of aminomensing traility)-control pertide mimetic as is precyl transferase inhibitors for treating rasissand, human cancers;

RN 173250-25-4 CAPLUS

CN 36-EN custlemanide, 8 amin. -5-merrapt. 2, 5-Eis (Inmethylethyl-N-ftetrahydr - 2- x -3-furanyl): (38-[28*(25*,38,58*,68,88*)]) (201) (CA INDEX NAME)

Absolute stere chemistry. Dourle k od secmetry as shown.

LR ANSWER OF DE SR TAFLUS TOFFRIGHT 2000 ATS
ACCESSION NUMBER: 1054.0594418 CARDIS
TOFFREN NUMBER: 1044.05299
TITLE: The low autocorder relegal richteration on harveys: tinding parameters and structural requirements to the automobiner Tao, De-Hando Wel, Thomay Melphem, Etward Deg. Bi chem., McGill Univ., Montreal, Fl. Hob. Date.

Date.

Discount of them. 5. 1995), "Londo, 40% 44 Counts Filled, 120%; C2-4 8721

[F. UMENT TYPE: Journal American English

AF To assess the binding parameters and the attriture function relationship of the Vieri, harvey lux anti-inducer,

(C.3-Mydroxybutannyl) hom sering lattone (D-HEML), to light emission, a series if anythom sering lattone and js were synthesized and they attribute. ne analyjs were synthesized and their effects in the stimulation of luminesience of an autological definient mutant of V. harveys, 11, examd. Of the analogs with 3-hydroxyaryl chains, only N 13 hydroxyvaleryl)h m serine lastone (NYME) is uli ast as an induser. with about 85% of the potency of B-HRHL in stimulation of lumines errors the $\ensuremath{\mathsf{T}}$ the apparent Kd of the putative receptor for HVHL was 3.8 .mu.H, of set that nat for the natural autoindumer (1.4 .mm.M). Analoge with I nier Behydroxyamyl chains, N=(B-hydroxyhexanoyl)hom serine lant ne and N (B-hydroxyheptanoyl)hom serine lant ne, anted as compensive inhibitors of HBHL with apparent MI values of 77 and 53 .mu.M resp. of HBHL with apparent Ki values of the Shydroxykotanoyl milety with a 3 methylkotanoyl or 3-meth-xykotanoyl milety with a 3 methylkotanoyl or 3-meth-xykotanoyl milety inhibit rs, N-(is valeryl) and N-(3-meth-xykotanoyl) homoserise last new, with apparent KI values and the sykotanoyl) and the sykotanoyl and the sykot of 150 and 360 .mu.N resp. Two other analogs, N-(2-hydr xyturan yl) and N-(4-hydr xyturan yl) homogenine lastine, multi-matcher stimulate nor inhibit luminesterne. The approach useful these studies to demonstrate hinding of automotive analogs at the same site, as well as measurement of the relative dissocnor bonat, may be of value in analyzing analogs activating or inhibiting luminescence and other processes that are under under control of anyth we serine last one autoregulators.

ANSWER 39 OF 58 TAPLMS COPYRIGHT 2002 ACS (Cintinued)

EN 171863-90-4 CARLUS CN Heptanamile, 3 hydroxy-N-(tetrahydro 2 x 3 forwnyl) (CCI. (CA INDEX NAME)

RN - 171863-92-6 PARLUS |N - Butanamide, 4 hydroxy-N (tetrahydros) | x - 9-foranyl, (9.1 - PA IN 6... INLEX NAME:

ANSWER 39 OF 58 MARCHS CUPYRIGHT COSC ANY COntinued. 126049-72-7P lious=rarup
Rir PAT (Pi) irral activity or effect r, except adverse r NFF
Lir cal
probes r PCM (Proliginal study, inclassified): FEE -Eroperties r PCP
(Prorification i recoveryor SEN (Synthetic preparation): FOLL TRUSTITUTE OF THE PROPERTY SENTINGUISHED THE PROPERTY OF THE STORY Acsolute stere chemistry. Currently available stere shown. T 148433-24-3P 161234-45-3P 171863-90-4P 171863-92-6P Rt: BAT (Birliginal activity or effect i, except adverse); FFR Esidiginal growess; PRE (Pripetties); FVR (Furitination or removery); SPN (Synthetic

gregarati n/2 BIOL (Biological study): PEEP (Frequiation): PEC(): Hest

3-883 (Iux automobrer Finding parameters and structural requirements for receptor interaction in Vitro barveys) 18433-4-4-7 (AFICS) (Proposition of the Artificial Computation of the A

INCEX NAME)

RN 161234-45 % CAPLUS FN Hexanamide, 3-hydroxy-N-(tetrahydro 2-rx-3-furanyl)- (%I) (CA INDEX NAME)

ANSWER 40 OF 58 CAPLUS COPYRIBHT 2002 ACS
ANTESSION NUMBER: 1395:767398 TAYLUS
DOCUMENT NUMBER: 1309:7757386 TAYLUS
TITUE: 1509:7757386 TAYLUS
INVENTOR(S): Preparation of farmesyl peptides as inhibitors of inspressylated protein end proteins
INVENTOR(S): Graham, Samuel L.
Herck and Co., Ico., USA
SCURCE: Frit. VK Fat. Appl., 147 yr.
COCCEN: BAXXDU
DOCUMENT TYPE: Patent
FAMILY ACC. NUM. COUNT: 1

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: FATENT INFORMATION:

KIND DATE FATENT NO. AFFLICATION NO. DATE GB 2276618 Al 19941005
ERICHITY AFFLN, INFO::
CHEEF SOURTE(S): MAFFAT 123:170 38 1994-5905 US 1993-38419 19940324 19930329 MAREAT 123:179186

AB Title impds I (RI = H, CI-4 alkyl, aralkyl, CI 6 aryl, alk kynarhinyl, aralyl, arkyl, alkylsolf by, ethic FD, FB, B4, E5 = side thank for naturally intoring among and, methodise solfishede i solf be, busousstitutes, align, ar m. icheter mydlyls F6 = Q: XY = CINFS, muse.

: THIL, THIS (ole, THICH), etc. wherein R8 = (surstituted) T1-6 alkyls I

H2, is 71-8 arom. In better typiyls m=0.21 useful as substitute of is precylated protein endiprinease ratalyzing the find step in the post-translational processing of the object Has protein to data

propd. I are claimed for treating cancer. Notest but my task but of tritylogateine aldebyde (proph. 2006) was converted in the forest N-CL main. Nomerhapt proplically is leady better the ester businesses are taken and the state with larnesy; by mise to

No.2-amon 3 farmemylthisi syl valvim leveylmetri dine Me emter which

steps was in overted to the title NOTZR NT-aretylamics (

Answer 40 CF 58 CARING COFFEIGHT 2002 ACC ("Intinued. farmesy)thingst synthally is lengtheshing ine. 156076-68-59 156527-82-39 156527-93-49 156927-93-69 156927-93-69 156928-92-59 156928-9

And lute Stere, Themistry. I wile himlige metry as shiwn.

CM 1

CRN 156937-91-2 CMF 020 H37 N3 03 S

Absolute stere chemistry. In uble bind geometry as shiwn.

19 ANSWER 40 OF 59 TAKENS HOSFYFIGHT 2002 ATT I beticked

TRN 75 5-1 TMF 00 H E3 02

TRN 156876-44-7 MF 710 H35 N3 C3 S CDES *

And lute sterm obemistry. Double is no prometry as shown.

ANSWER 49 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

 $\mathbf{F} = \begin{bmatrix} \mathbf{F} & & \\ \vdots & & \\ & & \end{bmatrix}$

156927-85 6 TABLES 3-Ontenamide, 5-(12-amin 3-mercapt from the amin 1-2 ethyl-6 methyl N Stetrahydr-2- x-3 foranyl) , [83 [3+(10), 45,58*(2)], [84]]] , triflu mametate (sult) (90), 904 INDEX NAME)

"M 1

TEN 156876 46 9 CMF 018 H33 N3 02 3 TLES *

Ata lute store chemistry. Course bind se metry as shiwn.

19 ANSWER 46 OF 58 CAPLUS COPYRIGHT 2000 ACS (Continued)

CM 2

TRN 76 05 1 TMF 12 H F3 12

F '- '- JH

EN 186927-34 7 MARCYS

TN Statemanide, 5:[(2-amin -2-merimptipropy) amin] 6 methyl 2 (1 methylethyl) N setrabydd (2 x 3 foranyl) - 335 (14+123*,38,18*15*),68*[]] , trifluir aretate ealt, 7370 CTA INCEX NAME)

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JEN 156876-4746 TME 019 HRS NR RG CDER *

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LR - ANSWER 40 OF 58 CAPTUS COPYRIGHT 2002 ANS - 12 Attroops

тм 2

CRN 76-05-1 CMF C2 H F3 C1

CM 1

TRN 156876-48-1 TMF 020 H37 N3 63 S CDES *

Aks lute stere chemistry. Duble bond se metry as shown.

19 ANSWER 40 OF 68 CARLOS CORYRIGHT 2000 ATS 10 neighber

CM 2

JRN 76-95 1 DMF JD H FR JZ

FN 150:27:08:4 TAFLUS (N 5-0:thelamide, 5-(0:amin-2 meriaptogropy);amin.)-2-(1,1-dimethylethyl)-6-methyl-N-(tetrahydro-2-x.-3-furanyl), [NC-138:(28:,0E,58:18:),.08:[]], trafloria ==tate (mail) (3"1) (CA INDEX NAME)

ом I

TRN 156876-50-5 TMF 020 HPP NP 09 S CDES *

And lute stere, hemistry. Darble kind go metry as sh wh.

L9 ANSWER 40 OF 58 CAPLUS COPYRIGHT 2002 ADS (Continued)

CM 2

NAME:

Эн 1

CRN 186876-51-6 CMF 722 H39 N3 03 S TDES *

Als lute stereothemistry. Druhle brud se metry as sh wo.

19 ANSWER 40 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

CM 2

'PN 76-05-1 'MF 72 H F3 72

n. 1563/8 01 7 TAILUS
TN Forzenegr paramide,
.alpha. [3 [02 amin +3 merhaptherrpy):amin.j-4-methyl.1-hexenyl] N. Hetrahydr +2- xc-3-foranyl,
[3s. 3x [st[[E,38+65],44*]]]
. trifler aretate (calt. [3T]) TA INCEX NAME)

M 1

THN 156876-53-5 TMF 723 H36 N3 03 S

Ata late attremptempatry. I while hold be metry as shown.

19 ANSWER 40 IF 58 MAPLUS CIPTRIBHT 2002 ACC COLUMNISHED B

M 2

CRN 76-05-1 CMF 02 H F1 02

Р | | Г - Э- ЭЭДН | Г

fM 1

Absolute stere chemistry. Double bond geometry as shown.

L9 ANSWER 40 OF 58 CAPLUS COPYRIGHT 2002 ATS (Continued)

⊕M 2

197006 82-7 (MARING %) mercuptopipy, amino, esmethyl d l methyl pyl (Artebrathyd 2 (x -) furanyl), (33- (38-[23*(3*), 38,58*(3*), 88*)]), firshyl), fixe (amino amino am

OM 1

CRN 157006-61 6 PMF 020 H37 N3 03 S

Ata lute stere chemistry. Cruble b of permetry as ab will

19 ANSWER 49 IF 58 MILES COPYRIGHT LIGHT ANS CONTROL ATTACHED

- M 2

"BN 76-65-1 "MF 02 H F3 52

PN 16908-06-3 CARLUS TN Benzenegriganamide, .alpha.-[3 ((2 amino-3-mercupt propyl)amino] 4-methylhexyl]-Notheriakydi -2-mon3-furanyl)-, [36-[38-[68],484*]]-, triflu riacetate (salt) 1901) (TA INDEX NAME)

OM 1

TRN 156876-58-3 TMF T23 H37 N3 O3 3 TDES *

Aks lute sterenthemistry.

LG ANSWER 40 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

Absolute stere othemistry. Double bond geometry as shown.

EN 167156-01-6 MARIUS "N 3 Geterangle, S-amin -6 methyl 2 pr pyl-N-(tetrahydro-do-montydroth) rude, [35-[484]05*, 38, 584, 684)]- (501) - MAINTEX NAME:

Aha dute stereochemistry. I while bond geometry as shown.

LW ANSWER 40 OF 58 CAPTUS TOTAL SCALATER OF A STATEMENTS

CRN 156876 45 8 CME CIT HTT N3 24 3 CDES *

тм 2

CRN 76 05-1 CMF 02 H F3 02

Figure CogH F

RN 167954-65-6 CAPLUS
CN 'yrispentaneasetamide,
Caljha, (3 (C-umin 3 mernapt propyllamin [-4methyl-l-hexeryl)-N (tetrabylr -u- x -1-forany), , [38
[38*[Lalpha.S*(IE,38*(S*),4F*]]], trifluor abetate (2:5, (calt(201) (CA INDEX NAME)

CM 1

.TRN 156876 52-7 CMF 021 H37 N3 03 0 CDES *

L9 ANSWER 40 OF 50 CAPLUS COPYRIGHT 2002 ACS (Continued)

CRN 76-05-1 CMF C2 H F3 02

IS ANSWER 40 OF SECTABLIES TORYROGHT 2002 ACC. TOURISHORD

Ata intersters themsatry. Lougle mind to metry as shown.

OM 2

CBN 76-05 1 CMF 32 H F3 32

F= (1= CC2H

RN 167354-66-7 JAPLES
ON Setaramile, 5 [[2-amin]+3-mercapt propyl(amin] = methyl 2 propyl-Nctetrahydr.-d= % = -f-forunyl) , [37 [981(251,581(31),681]]+,
tiffor paretate (salt) [901] [74 [MDEX MAME]

FRN | 156876-57-3 FMF | 019 H37 N3 13 S FDES |

Air lute stere themistry.

L9 ANSWER 41 CF 58 CAPINS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1995:382876 TAPINS
COCCUMENT NUMBER: 122:15174
TITLE: Immus suppressant and antialleryin timp under e.i.
LOCATE A behaviory 1 in serie lantice
HVENTOKIS: Byir ft, Barrie Walshams Sewell, Hertect

Stewart, Gordon Sydney Anderson Birnley Williams,

University f Nottingham, UK FOT Int. Appl., 26 pp. COCEN: FIXXE2 Fatent FATENT ASSIGNEE(S): SCURSE:

DOCUMENT TYPE: Fatent LANGUAGE: English FAMILY ACC. NUM. COUNT: 1 PATENT INFORMATION:

PATENT NO. FINE DATE APPLICATION NO. DATE

WO 5501275 AL 19950112 WO 1994 TRIA*7 19940701
WE AM, AT, AT, EE, BJ, EE, EY, TA, CH, TN, CZ, LE, DK, ES, EL,

SE, HU, JE, KG, ME, KE, KZ, DK, DU, DV, ME, MG, MN, MW, ND, N',

NZ, PL, PT, RH, RM, SI, SE, SI, SK, TM, TT, MA, MS, MZ, VN BWH AT, BE, MH, LE, LE, ES, FR, MB, MB, LE, LT, LM, MM, NL, FT,

FF, FT, TF, TS, TT, TM, SA, SN, ME, MR, NE, ZN, TS, TS, AV 0475778 A1 1094414 AV 1094470778 18440701 EP 704403 B1 1094417 EF 1094 010740 19940701 EP 704403 B1 10940908

THER SOURCE(S :

Ab. If are used as the title medicaments wherein size I in to Y is , 3 or NH: X is 1, 3 or NH: and Y is TI the alkylor anyletiched.

L9 ANSWER 41 OF 56 TAILUS TOPPELISHT 2002 ATC of ntimed; IT 140433-23-2P 161234-45-3P 161234-46-6P Ed: PAT (Bull giral artivity in effect r, except adverse r SEX (Syntheria)

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(frequention) THE Therapeuticuse) File (billium al study) FFFF

(frequention) THE Therapeuticuse)

(number suppressant and antialler for the series lattice derive, and analys.

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(971)

(CA INDEX NAME)

Ake lute stere schemistry.

NAME)

RN = 161234-48-6 CAPLUS (N = Hexanamide, 3-bydr sy N (tetrabydr = 2 cx + 3 forabyl) ($\{Z_{-}(E^{*},Z^{*})\}$) (971) ("A INDEX NAME)

Absolute stereochemistry.

L9 ANSWER 42 OF 58 CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1995;328913 CAPLUS
DOCUMENT NUMBER: 122:204550
122:204550
Synthesis and birlogical activity of Ram farketyl profess transfersoe inhibitors. Tetrapeptie

anal ogs

with amine methyl and park n linkages Wai, J hn Sir Bamberger, Dina Lir Fisher,

AUTHOR(S): Thorsten E.,

Staham, Samuel L.: Smith, Fliert L.: Sikks,

Janks of Br. M. Samer, C. tt D.; Cliff, Allen L.; Piglia, David L.; et al.

CMEPGRATE SCURCE: Department Medicinal Chemistry, Merck Herearth Later at ries, West Print, PA, 1948e, "VA SCURCE: Brown, Med. others, 1944; 2(3), 339-47 C.DEN: BRETER; ISSN: 9368-9866 DOCUMENT TYPE: C.UEN: BRETER; ISSN: 9368-9866 DOCUMENT TYPE: C.UENAL LANGUAGE: Brolish AF Replacement of the central aminomethylene linkage of "(psicotxPMIA(psicotXPMIA)X tetrapeptide inhibitors with oarh of tethers led to compide, with putency in the nasion lar range. Sime of the more potent Jefinion imposs inhibitor has processing in inhart vicas transformed NHH To cells with 1950 values in the Ould I low.M range, and inhibit selectively the anch rule-independent in with different red ball and the cells and the cells

Part | Feb. 12 | Feb. 12 | Feb. 13 | Feb. 14 | Feb. 15 | Feb. 15 | Feb. 16 | 18104-62-2

Ris PBF (Frigeries): RCT (Reartant)

if r Rus farmenyl protein transferase inhibitory ceptide grephor

FN 18676-44 7 (2012)

CN 3 Octemande,

Sicchamnic 3 meriapt propyl) Amin (-6-methyl-2-propyl Notethyl-2-propyl Notethyl-propyl Notethyl-propy

(TA INDEX NAME)

Absolute sterephemistry. Double bind se metry as shown.

L9 ANSWER 41 OF 58 MARROS MIRYRIGHT LOGG AND CONGLIGHT OF

L9 ANSWER 42 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

156876-68-5 CALDUS
Carbanic acid, (1 (1 methylpropyl) 4 [](tetrahydro 2-cxc-3-turanyl) amuno [carbonyl) - 1.1-limethylethyl ester,
[38-[38*[18**k*],28,48*[]]- (971) (CA INDEX NAME)

Ataliute stere themistry. Duble bund is metry as shown.

And lite stere chemistry. Double hold be metry as ab who

13 ANSWER 42 OF 58 CARDING COPYRIGHT JUNG ACA. (Continue)

PN 161F04-62 2 TAFLUS

(CA INDEX NAME)

Abs lute stere chemistry.

IT 156876-44-7P 156876-47-0P 156876-48-1P 156876-33-0P 156876-33-4P 156876-37-4P 15

INDEX NAME;

Absolute stereothemistry. Double bond geometry as shown.

L9 ANSWER 42 OF 58 CAPLYS COPYRIGHT 2002 ACC (Continued)

Alsolute sterm themistry. Inable bind seametry as shown.

EN 15e976 5) 4 "AFEPS
TN 3-Heptenamide, 5-[(2-amin -3-mercapt pr pyl)amin [-6-methyl-2-ll-methylestyl] N (tetrahydr 2 x 3 foranyl) ,
[38-[%:122-38:58+(x+1)]] (201) (2A INDEX NAME)

And lute stere themistry. I while bind resmetry as shown.

LP ANSWER 42 OF 58 TABLES TIBYBUSHT 2002 ATS (Tintinger)

156876-47-9 CALUS 500tecamids, 5 [(2 amin; 3 mercapt:pr pyl)amin;] c methyl 2 (1 methyletyl:m-tectrallydr -2-x-3-furanyl);) [0 [3x*[23*,3E,5x*(S**,xk*]]] (901) (02 index NAME)

Also lute stere whemistry. Double bond geometry as shown.

156876-48-1 CAPLUS 3-0-tenamide, 5 [(2 amin- 3-mercapt propyl(amin-)-2-bityl-6-metby) N (tetrahydr- 2 cm: 3-turanyl;-, [%5-[%5-[23*,45,58*(3*),68*]]) (601)

INDEX NAME)

Abs lute sterm themistry.
Duble hand geometry as shown.

L9 ANSWER 42 OF 55 CAPLUS COPYRIGHT 2002 ACS (Continued)

RN 161894-53 1 TAPLUS

IN Betzenegr.paramide,
.alpha.-[3 [(2 aminc 3 mercopt propylyamin] 4 methyl
1.pestersyl) N (tetrahydro-2) x 3-furanyl) ,
[36 [39:[67 [12,78:75]]]] .
.(**II) .TA INDEX NAME.

Absolute stere chemistry. Double kind se metry as shown.

ky the lux aut induser, N (8 hydroxybutan ylch m merine last ne Sun, Weigins Tall, Terdaniz Teng, Kathya Melithen, Elbarid A. Lep. Bi shem., McSill Univ., Mintreal, F., Hob. ANTHOR(S): 194,

500KCE:

7. Fi lightem, (1994), 263377, 20785 99

500EN: JSSHA 9 100K: 6021 9258

DXUMENT TYPE:

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LANDYASE:

AF Pily 3 hydr xybotyrate (HHF), a kip lymen if important imm, applications,

18 found in a wide range of Gram heal and Gram post Basteria and cyan Wasteria. The present study has resulted in the identification t FMP in the luminescent marine backeria, Vikri harveyi, in spite fbeing previously classified as PHB-neg. THB granules with firsting membranes were detected by electron mior steps after fixation and staining if V. harveys delia with malachite green. Analyses by sus f V. harveyt delia with malachite green. Analyzed by dashir mat (1).

NMD, IR, and UV spectroscopy clearly established the presence of HHB. The synthesis of FHB in V. harveys was found to be under deliad. regulation with the levels increasing from 0 (r0.2) to 25 mi of FHE/3 of dry rell at ontrilled by the lux automoduler, N-(3-bydroxyhotan yl)h moderi labbone, providing not only a potential link between lumines enand FHB productuals; showing that the lox ant inducer arts as a general signal. transductant. These results have also extended the role of homogetime lattered in metab lic regulation to include the contribution asympthesis g itential energy reserves. 126049-72-7, N (3 Hydr xybutan yl)bimiserine last ne Edi BiOl (Bullinoal study) (p:lyhydr-xybutyrate f rmari'n repulation by, in Vikrio barveyi.

LS ANSWER 44 OF 58 CAPLUS COFFRIGHT 2002 ACS ACCESSION NUMBER: 1994:525220 CALLUS COCCMENT NUMBER: 121:125220 CALLUS ITLE: INVENTOR(S): Desplay, S. Janes Trahat uzirlabazu Inhibitors of farnesyl-protein transfernse Deschas, S. Janer Graham, Samuel Lor Wai, John Merck and Co., Lb., PSA FCT Int. Appl., 70 pp. CODEN: FIXXB2 Fatent English Sulman PATENT ASSIGNEE(S): SOURCE: DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NOM. COUNT: FATENT INFORMATION:

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	HASH	R2	E.3	p.4	

AB N-anylamin ands I [El = H, (ar)alky], anyl, alkyl - riarylaulf nyi, otolr BD P4 = amin: and side chainer alight, aryl, in heter kryl

other Merks Tumbh and otherwise the control of the formation of the farmesylation of the one per term has, and thereby kink the ability of Basic transform normal reliations or relia. Thus,

5.31 (200) camin commerciati pripylamin (ch. 2) methyl-200 pripylc3.4 Exten ylk momerciae cit inhibition tag furnemylati nity recombinant.

10 ANSWER 43 OF 15 TAPLYS THEY STATED TO 202 AND CONTROLS

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Ara lute atere chemiatry. Correctly available atere as was

LP ANSWER 44 OF 58 CAPTUS COPYRIGHT 2002 ACS (Continued) Fas farnesyltransferase in vitro with an ICSO (1.4.0 nM. 11 was

several steps from n-teractic xysarbody:==:s:ledside and b-nominest
lattue=Holi
156876-60-7p 156876-80-60
RE: RET (Peastant): SPN (Synthetic preparation): PREP (Preparation)
(preps. and deprotection of)
156876-60-7 (CALUE)
156876-60-7 (CALUE)
1588-1588 [18:(R*1,40*]] = [9"Il ("A INDEX NAME)

Ars lute stere chemistry.

FN 156876-63-6 CARDUS N Carramar acuts [1:4] methylpripyl) 4 [[.tetrahydi -2: x] firanyl amin [tark nvt] ? [[? [Chripbenylmethyl) tha [pripyl]amin [2 heptenyl]] 1, [-dimethylethyl ester, [45 [P*([R*(R*)]28,47*]]]] [25]]] (CA INCEX NAME)

156876-68-59 156928-07-39
Riz PRT (Reartant : SIN (Synthetic preparation): FREE Treparation in preparation and reartion with tritylingsteine derive.

15-276-68-5 "MAEDIS
Tarkamin with [1] in methylpr gyl (4) [Chentahydr (4) × 7 friendly and [1] at opt [2] begrespile, in dimethylethyl meter, [15] (PRT[PLNF), 25, 471]] (PRT[PLNF), 25, 471]]

L9. Answer 44 of 58 CAPPIS COPYRIGHT 2002 And $^{\circ}$ -Continued, Ake lute stery-chemistry. Couble to differently as shown.

EN 156928 07 3 CAPLUS "N Carbamus asid. [1:(1-methylpriy!) 4 [[(tetrabydr-2 x - 3-furacy!)amin()artholyl-2-hepteny!], 1,1 dimethylethyl ester, hydrichloride, [35:[38*{[K*(k*), E, 42*]]} - 05:1] = 03 INCEN NAME.

Aks lute stere chemistry. Double bond permetry as shown.

●x HC1

156876-44-7P 156876-45-8P 156876-46-9P 156876-47-0P 156876-48-1P 156876-49-2P 156876-50-5P 156876-51-6P 156876-52-7P

L9 ANSWER 44 OF 58 CAPLUS COPYRIGHT 2000 ACS (Tintinged)

156876-46-9 CAPLUS
3-Ostenamide, 5-1(2 amino-3-mercuptopropyl)amin [-d-ethyl-6-methyl-N
(twtrabydes-2-ox -3-furanyl)-, (48 [PM-[25], ME,545(25), 66-7)] (5-7)

INDEX NAME)

Absolute stere whem:stry. Double bond be metry as shown.

156876 47 0 TAELY3 3-Outeramide, 5-[(2-amin.-3-metriagt pr pyDramin [re-methy] 2 (1 methylathyl) N stetrakydrin 2 x 3 furanyl) -, [37-[38123*,38,581(\$1,681]] - (301 - 17A INTEX NAME)

Abs lite stere chemistry. Double bind jeometry as shiwn.

thetipreparation of THO (Therapeutic use); RICL Biol modal study of FAEF
(Treparation); USES (Uses)

"greph of as he plasm inhibition, farnesyl protein transferses
inhibition in relation to
155876-44-7 (ANDUS
3-0-intense #, 5-[id amin -3-merhapt propiosmin]-b-methyl Dipropion
intetrally (1-20 x -3-furanyl), [US-[ikt]uSt. 4E, Skt.St., Ekt]]) (201)

L'A INLEX NAME)

Atsolute stereochemistry. Louble bond geometry as shown.

; "A

INDEX NAME:

Ansolute stere chemistry. Duble bond geometry as shown.

L9 ANSWER 64 OF 56 CAPIUS COPYRIGHT 2002 ACS (Continued)
RN 156876-48-1 CARIUS
CN 3-Octeomalde, 5-{(2-amino-3-mercapt.propyl)amin.}-(2-butyl 6 methyl-N-(tetrahydro-2-nx-3-furanyl)-, [35-{38*[25*,38,58*(2*),68*]]]- (901) υA

INDEX NAME:

Absolute stere chemistry. Double bond geometry as shown.

Fi) 158476 40 2 (ADDIS THE Content of State of Commission of the Commission of State of Commission of Commission

EN 156876 53 5 TAPLYS

TN 3-C thenamide,

S(2)-ann, 3 mercapt propyloamic ((2-1), 1 dimethylethylo-emethyl N-3-errabydr, 2-2 x -3-foranyl),

(3-1) (FM (2-2, -2, -5, -2, -2, -2, -2))

(3-1) (7-A INDEX NAME,

Als lite store themistry. Duble bond be metry as ab who

LR ANSWER 44 .F 58 CAPLUS TOPYRIGHT 2002 ATS (Tintinged)

EN 15:576:51-A CARDUS TN CPC1 hexaneatetamide, Laiphau-[2-] 2-amin -> metrapt pr pyllamin [:4 methyl-] hexanyl[:N :tetratyur 2 x % firanyl]. (NS :SPC1) alpha.84 [18, 38481]. (RS) | CPC1 = CA : NDEX NAME:

Aks dute stere chemistry. Fouble bond geometry was shown.

EN 156676 52-7 CAPLUS IN Cyclopentanes etamo The control of t

Ansilute stere shemistry. Double bind geometry as shown.

L9 ANSWER 44 OF 58 JAILIE TIEVEL BIT 2002 APP (Instance)

Aks lute stere chemistry. Lukle bind de metry as shown.

156876 57-2 DAFLUS Cotavamile, 5-((2-amin - 2 mercaptipropy)(amin] - 5 methyl 2 pr pyl N (betrahydro 2 - x - 3 - furanyi) -, (35-(38)[25],56+(35],68*]]] - (401) - (47) (MOEX NAME)

ANSWER 44 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued) 156876 58 3 CAPLUS Benzenegrophamide, Lalpha.-[%-[(2-amin --%-metraptic propyr) amin)] 4-methylhexyl[-M-(tetrabyld --2)-x -3-furanyl)-, [32-(38*[Lalphais*[3R*(S*),48*])]]- (501) (CA INTEX NAME)

Absolute stereochemistry.

Also lute stere otherwatry. Fouble bond geometry as shown.

15m876-AL-R CALIDS Tartaern and [1] of methylphopyl, 4 [] iterrabydr [2] x 3-foranylluman [] and apilheptyllo, [1] forethylethyl enter. [33 [38][[PF.Et],47][[] x 5 contribut anethres (2)] — W INDEX

TEN | \$56826 +0 T TMF | T21 H48 N2 T5 T2ES *

19 ANSWER 44 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

Are lute stere themistry.

M 2

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y

TAN 156927-91-2 TMF 120 HPT NR 3 S

Absolute stere chemistry. Distriction is metry as shown.

DR ANSWER 44 OF 58 TAPLET TOPYBE HT 2002 ACS (Controled)

JAN 76-35-1 TMF JE H FB 1.2

см 1

CRN 156876-44 7 CMF C19 H35 N3 17 S CDES *

Absolute stere themistry.
Double bond permetry as shown.

OM 2

ORN 76-05-1 OME 02 H E3 62

13 ANSWER 44 OF 58 CAPTUS COPYRIGHT 2002 ACS (Continued) CNN 156876-46 9 CMP 018 H*3 N3 03 S COES *

Absolute stereochemistry. Double bind is metry as shown.

/ж 2

"EN 76-75-1 DMF 172 H F3 12

 $\mathbf{F} = \frac{\mathbf{F}}{1} + \text{migh}$

RN | 186927 96-7 | TARINS N | 3 | Stendarde, 5 (in amin of mercapt propyllamin (seemethyle) | methylethyle=N-(tetrabyth so worldinaryl) , 735 | [39*(25*,38,58*(2**,58*)]) , triflormaletate leaf (9.1) (CA INIES NAME.

:M 1

TEN 158876 47 0 THE TIP HRS NR 12 S TUES *

And lute stere themistry. I utle bid je metry waish wo.

13 ANSWER 44 OF 58 TARROST CLEVELOHT 2002 AND THE OUTSING \$

PN 156927-94 5 MAPLYS
TN 3-Otherande, 5-[(2-amin, -) merhapt pr py) amin]-u,6-dim-thyl N
(tetratylr-2 x 3-furanyl)-, [20-[954(204,95,554094,pk4]]]-,
trifin t aretate built [3-1] | (3 INCEN NAME.)

TEN 156876 45 8 FMF 717 H41 N3 03 S FDES *

Are lute stere themistry. I wile bond go metry as shown.

√**M** 2

FN 156927-95 6 TARDUS
IN 3-Determinate, 5 [[2 amononishmeroagt propyl)amonology ethylof methyl-Notetrabydro 2 ix 3-furanyl) , [30 [391(281,38,51.505),681]]] ,
triflurnametate [salt] [[371] (TAINDEX NAME)

∴M 1

19 ANSWER 44 OF 58 CAPLUS COPYRIGHT 2002 ACS (Clubthouse)

TRN 76-95-1 TMF 72 H F3 02

F (1 0002H F (1 0002H

5N 156927-97 8 TAPDUS CN 3-Companyide, 5-[(2 mmin 3 mercupt prigorphic [-2-butyl 6 methyl Northebutyl 6 methyl 8 m

°M 1

THN 156876 48 1 TMF 020 H37 N3 13 S CDES *

Are lute stere themistry. I table hold to metry as so wo.

19 ANSWER 44 OF 58 CAPTOS COPYRIGHT 2002 ACC. Continued,

M 3 CRN 76-05-1

7M 1

TRN 156876:50-5 TMF 020 H37 N3 03 3 FDES 1

Absolute stere chemistry. Double bind relmetry as shown.

OM 2

CRN 76-05-1 -MF C2 H F3 G2

L9 ANSWER 44 OF 58 CAPLYS COPYRIGHT 2002 ACS (Continued)

OM 1

CRN 156876-52-7 CME C21 H37 N1 03 S CDES *

Absolute store chemistry. Duble bind permetry as shiwn.

2

F : 0>3H

BN 154928-01-7 CAPLUS
NN Benzenepr paramile,
-aipha. [1-[2-amin - 5 methyl pr pyliamir] 4 methyl-bhessyl) Notetrabyl - 2 x - 5 foranyl ,
[35 (38*[3*[18,38*(3*)],48*)]))

LR ANSWER 44 IF 58 CAPLOS CLEVELOHT LOGG ADS Continued

F

EN | 158707 99-0 TARLINS
CN | Cylinewanearetamile, Lalpha...[5] [Learning Semericant in pyljamin] 4
methylithewenyl[5] cretrahyir | 2 | x | 5 faranyll | [95[584727[18,584357],484]]]] | trifling aretate (balt, [6-10] and INDEX
NAME)

DM 1

TRN 155876-51-6 FMF 022 H39 N3 03 3 10ES *

Akb lute stere chemistry. Dukle bind de metry as st. wh.

OM 2

CEN 76-05-1 CMF C2 H F3 C2

L9 ANSWER 44 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued) , trifluorracetate (salt) (901) (CA INDEX NAME)

⊙M 1

CRN 156876-83-8 CMF 023 H35 N3 03 S CDES *

OM 2

FN 156928-02-8 TAFLUS
CN 3-Heptenamide, 5 (12 amin -3-meriupit pripyllamin)-6-methyl-2-(1 methylathyl)-N-(retrabydro 2- xi 3 filiancy) ,
[18 [ONIOSO (ALSE-TOTALITY |
 triflu tranetate (malt) 3011 104 INCEX NAME)

см :

TEN 156-76-59 4 TMF TIE HAR NR 43 5 TDES *

Absolute stere chemistry. Double hind is metry as shown.

ig Answer 44 of 56 CAPINS CITYPLIED 2002 A U . Of attached

om ∂ CRN 76 05 1 OME 03 H F3 02

F 7-003H

EN 156928:06 2 CAPLUS
CN Senzeneproparamide, Laighau-(3 [C) amino Nomerrapt propyllumino] 4 methylhexyl] No Cuttrahylro 2 nx -0-furmanyl)
[38-[78][678(45), 487]]];
, triflu roanetate (malto (001) (CA INDEX NAME)

.m 1 CHN 156876-58-3 CMF 023 H37 N3 C3 S CDES *

Aks lute stere themistry.

ANSWER 44 OF 58 CALL'S COPYRIGHT 2002 ACS ("Schinued)

18 ANSWER 44 OF 58 CAPLOS COFFRIGHT 2002 AND CONTINUED.

m 2

DRN 76-05-1 DMF 02-B-F3-02

NAME) CM 1

CRN 157006-61-6 CMF 020 H37 N3 63 S

Arsolute stere obemistry. Double bind geometry as shown.

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Εt

19 ANSWER 45 DF 56 CAPTUS COFFRIGHT 2002 ACS ACCESSION NUMBER: 1993:558857 CAFTUS DARWHENT NUMBER: 119:155887 TITLE: 81 enyethesis and stere Bilaynthesis and stere themistry of the

autoindurer

rintrilling luminescence in Viktic harvey: Tao, he Gang: Meighen, Edward A. Bep. Bitthem., McGill Volv., Montreal, FD, Had $\mathtt{AUTHOR}(\mathtt{S}):$

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SIMBER: S. Batterid: (1999), 175(12), 3856-62

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BENJOHANN TONE 9021-9193

AB Knowledge f the pathway for synthesis of the autoindurer

N (beta, hydroxybutyryl) in merine lattice (HERE), contrilling

Conceptible

Conceptible

Therefore the control of the factoria and the relation between the nutrition and physical of the factoria and

the phenomenon of light emission. In this study, the D- and L-is mero of the $\ensuremath{\mathsf{D}}$

aut inducer γ ato, the stere as mers $\langle t\rangle$,beta, hydroxybutymin acid

synthesize i and characterized by $p_{\rm T}$ ton NME in the presence of a charal

and converge metant which responds to low physical converge for the and inducer, it still said that the converge form of the converge converge $\mathcal{L}_{\mathrm{conv}}$

be shown that authinduser activity was assicd, with C HBHC and not

L-HBML. Blockage of fatty and to synthesis by the addn. I fatty and add/r the

antibilitin remilenin to the cells prevented synthesis of the

aut indice:

as measured by the leases found inducer activity and a decrease in the incorporation of lakeled ametate into the partially purified and indicer.

These results indicate that fatty and kinsynthesis is necessary for

light

; emission in luminescent pacteria because it controls formation of the ins

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and induser.

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Ara-dute stere themistry. Turrently available stere ish was

in Answer 45 of 56 Tables STEVELSHT 2002 ASS (Totaled-

L9 ANSWER 46 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

RN 149433 23-2 CAPLUS Hexanamide, 3-bydroxy-N-(tetrabydro-2-, κ -3-furanyl)-, [S-(R*,R*)]-(SCI) (CA INDEX NAME)

Absolute stereochemistry.

N = 148433 24 3 CARDYS Bentanamide, 3-hydroxy-N-(tetrahyir -2- x - 2-turanyi) - (201 = 10A $^{\circ}$ INLEX NAMEL

ON Hexandon (901)

("A INDEX NAME)

Abs lute stere themistry.

ANOMER 48 CF 56 TAILING TURYFIDHT 2002 AND ACCESSION NUMBER: 1903:444921 TAFLING DIZMENT NUMBER: 110:444921 TAFLING AUTHORITY NUMBER: AUTHORITY IN FIREFACHER BY SYNTHOLIC IN EFFORMS

har tovita by ana. 18 (N.) Kineman yl. 1. Elm merche lastine Chhatra, Siri kami Stead, Fauls Faintin, Nigel Nir Salmind, Teirge E. Dis Stewart, Girdin S. A. Fis Williams, Parls Byor fr, Pairie W. Lep. Fharm. Sii., Yniv Nittininam, Nittininam, AUTHOR(3):

"TREDRATE SOURCE: NAT

DBC, TK 1. AntiEnt. (1993), 46(3), 441-54 (LEN: JANTA') ISON: COLL 8829 Carnal Entlish 35,11E 1E :

DICTMENT TYPE: LANGUAGE: 31

AF N-(3-x dexancy) (L-homoserine lastine (1, is the autoresulatine noticiling markagementation to the approximation in E. mar towara ATCC 33948. The them, synthesis and Fill evaluation of analogs for described. These include alterations inclinations discontinuous distinctions, rise size, and mind before a more A. A. o. if implies are reported which are mapable of restrict the plene type to a I negumentation.

to but at higher pingnes, than i. A-fact r, the autoregulator of

Streptomyrin

Streptomyrin

Elegation of Streptomyres into automatic and inducer of surface and inducer of surface

Absolute stere chemistry. Currently available stere: shown.

L9 ANSWER 46 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

116:214316 Preparation of homosemine (unide) containing was active intestinally Typestide analogs as iruge INVENT:R(3): Haro-r Kur n , Masayasii Mitani, Takahik i Takahashi, Sawar, Kirch: Panwa Kabako Kenkyosh [7], Etd., Tapan Bor. Park, Appl., EC pp. CODEN: EPARDW FATENT ASSIGNEE(S): SCURTE: DUSTUMENT TYPE: LANGUAGE: FAMILY ATT, NUM. IS PATENT INFORMATION: COUNT: PATENT NO. AFFLICATION NO. LATE ER 1391-109490 13910+10 KIND DATE EP 463450 EP 463450 A1 19920102 B1 19940216 PRICEITY APPLN. INFO.: MARPAT 11%: 214916 CTHER SCURGE(S): AB H-His-Ser-Asp Ala-Vul-Pbe Thr-Asp-AsorTyr-Thr-Arp-Leu-Arp-Lys-Gli X Ala-Vul-Lys-Lys-Tyr-Leu-Asp-Ser-Ils-Leu Aso-Y (I) X = asin and residue Varity rays in the state of th Thain Sound, a commune. In It I (X Leu, Y = Met-Ala-Ser CH), propd. by a lid phase synthesis, was and with HCC2H/NNBr at 37, degree, for 24 h to give I (X \times Leu, Y \times with RCCH//NEr at 37,degree, from 4 h to give 1 (x = 1eu, Y = h-m-serine residue) (II). The latter was treated with 0.1 N HCl at 90.3-gree, for 3 for 3 $_{\odot}$ h to give the lantine, which was treated with NH3 in DMF to give I (X = . Leu, Y = himiserineamide residue). If showed activity o mourable to native VIF in the Mainis method for inhibition of broothial r ntraction in yuinea pig.
IT 140896-27-1P

LR ANSWER 47 OF 58 CAPLUS COPYRIGHT 2002 ACS (Austinued)

PAGE 1 C

FAGE 2 F

L9 ANGER 47 OF SE MAINS CLEVEDRE 2001 AND Continued,
Rick To Reactants: SEN Cynthetic preparations PREP Treparation
propose and anilation of, no preps. If was active intestinal
polymetric analysis
EN 1446-0-27-1 (ARIMS
TO Vas active intestinal of an appetide (swine), 10-1-4-prise Le [R1]
testiabyis COOK Officiary), L-aspartaminej-, 37-1-371. COA INDEX
NAME:

LP ANSWER 47 OF 58 CAFLSS COPYRIGHT 2002 ACS (Continued)

PAGE 3-A

L9 ANSWER 48 IF 58 ACCESSION NUMBER: DASCHMENT NUMBER: TITLE: CAPLUS CONYAIGHT 2012 ACC 1990:154994 CAPLUS 112:154994 Perit state and productional adentification for automounted to the londerstence byptem of Victor aut induser is the Puminem teate mydrem () ()). Narvey: Cal, the Sanir Helihen, Edward A. Dep. Biothem., McGill Chiv., McDireal, F_{kr} Hob ATTHUR(S): TIRRUPATE SUTE E: TYP, dan. 1. Bill Stem. (1989), 264(36), 2103046 CODEN: MSCHAN: ISSN: 9621-9258 Tornal Entlish DO JUMENT TYPE: LANGUAGE: GI NHCOCH2CHC CH

$$\begin{array}{c} \sqrt[3]{2} & \text{NH} \cap \text{CH}_2 \text{CH} \times \frac{\text{CH}}{\text{Me}} \end{array}$$

AB An autoinforer required for the in with dependent development if luminescence in V. harveys was purified, structurally identified, and them, synthesized. The autoinfore, which is excreted by the cells,

extd. with CHOIR from conditioned media in which V. harveys cells

extd. with CHILF from a ditt ord media in which V. harveys relished been grown. The bond, ext. was sept. on a salara jet simms and the automorphism extinity forther portioned by this layer, apper, and bill performable liq. The matha. The structure of the partially purified automodurer was identified by THINME and mass age to metry as No.(Leta.-hydroxybutyry) homeseine lattice (1). I was obem, synthesized by condensation of latta, hydroxybutyring condensation of latta.

weather the property of the tack hydrocontrol of the same of the

synthetin authinducer gave the characteristic NMA and mass spectra, or migrated with the natural authinducer on thin layer plates, and specifically stimulated induction of luminescence of V. harveyi.

Light

emission of a regulatory dark mutant of V. harveys could be stimulated over 5000-fold by the addn. of 1, reaching intensities comparable to that of the native strain. The similarity in structure of the autoinducer of V. harveys to that of Vibrio fischers suggests that the regulation of their

L9 ANSWER 49 OF 58 CAPIUS COFYRIGHT 2002 ACG
ACCESSION NUMBER: 1987:99288 CAPIUS
DICCMENT NUMBER: 108:79288
TITLE: Analoga of the aut inducer of kildumentation of Views flacker: 4 Capius Capius
ACHAR(S): Eberhard, Analog, Widron, Cindra A.; McBath,

A'THOR(S): Faular

Schineller, Jeffrey B.
Dep. Them., Ithaca Coll., Ithaca, NY, 14650, USA
Arch. Mirchill. (1986), 146(1), 35-40
COCEN: AMICW: ISSN: 0302-8944
Jurnat CORFORATE SOURCE:

DOMOMENT TYPE: Journal LANGUAGE: Explish

AB The enzymes for luminescence in V. fischer; are induced only when a sufficient point, of a metalt in product (but induced) specifically produced by this species accumulates. It has previously been shown

that the autoindurer is 3-bx.hexan yl h moseine land he and that it enters the nells by simple diffusion. To further study the mechanism of

ttion, several analysm of the autoinducer were mynthemized and temted with

V. fighters for their induring activity and for their ability to solve the activity is defined and to determine the material and industrial abilities. None of the

ormile.

tested appeared to have any effect or collect V. harveys etras. MAV

Fig. 1. The several of the imposition of the unposition of the imposition of the unput by E. phosph reum strain 9268. These studies show (1)

the site of action of the autoinducer is not highly sterioully constrained.

(2) the autoinducers of other species of luminous bacteria are likely to be quite different from that if V. fischers, and (3) a simple mode in which the autoinducer mode kinds to a carrier recept right term site and

thus, initiates limiferage synthesis if inadequate. The small is sh old

prove useful in the study of the kinding site and mide if action if

autinducer.

106983-34-0-106999-81-9
RI: RAT (En l'ural artivity it effect i, except adversels RITL
(En l'ural activ)
(E

(971) (CA INDEX NAME)

Eq. ANGWER 48 OF 58 TAPLYS CUPYELORT 20.2 ATS continued differences in lux tene chanization.

IT 126049-72-7

126049-72-7

Pin First (Fr learned story)
Introduced serve instants a ry, in Vitra harveysLictys-7, 7 WEDFS (Fr learney)
Rotanismiste, J-bydr xy N (107) tetrabydr - L (x of toranyl] - 107) INCEN NAME,

L9 ANSWER 45 OF 58 CAFDUS SCRINKIGHT 2002 ACS (Continued)

1069394319 CARLUS HERANAMINE, 5- x N (tetrahydr)-2-(x + 8-toranyl) (901) (CA INDEX

ANNWER SOLDE SK. TARLUS (NEYPRISHT 2002 AUG AUTESSION NUMBER: 109:124075 TARLUS E (NUMBER 109:124075) TARLUS TITLE: Experimental allerus enteghal myelitim in takkits. A $\ensuremath{\mathsf{mag}}\xspace \ensuremath{\mathsf{T}}\xspace = \ensuremath{\mathsf{Tensure}}\xspace \ensuremath{\mathsf{Tensure}}\xspace = \ensuremath{$ residues 1944 - f myelin kasın pritein Kıra, Dunichir Barin, Martha Lir Martenson, AUTHOR SI: Russell E.: Derbler, Sladys E.: Kies, Marian W.: Alv rd, Eliswith C., St. Lab. Sereb. Metat., Natl. Ment. Health, T.FF.FATE SIME/E: Bethesda, MI, Betheads, Mi.

2002, MA

UNKTE: 1. Net immusical, (1986), 12(4), 183 5%
TOTEN: INKIES 15:NI: 0165-5728

FORMENT TYPE: 1 ANNUASE: English
AR Exptl, allering english myelstin multipe induced in rarbitally injection.

18. The Found's complete adjuvant 1 either peptide 1 44 or peptite 45.57 1 rabbit myelin tusic protein. In order to localize the encephality pendo determinant present in peptide 1-44, several smaller deriv. peptides were grepd, and examd. Fepti: peptide 15-44 and the melon peptide 1-41 were as were as active as peptide 1-44, whereas pepti; peptides 1-14 and 18-38 and BrIN bt.N gaptide 22 44 Wete virtually inartive. Weak artivity was shown by Bt.N BCN peptide 1-21. These results privide evidence that a major enterhalit penis determinant present in peptide 1-44 lies within sequence 15-31. The enterhalit senso activity of peptide 15-44 was essentially destroyed by widh. of methi sine 21 to methionine sulfoxides methodatic. methylation of Method, in the other hand, appeared to be relatively ineffective eliminating the encephalit denizity of peptide 1-44. 105256-21-19 L-pr/lyl-1-seryl-L-glutaminyl-L-arpinyl-L-histidylplycyl L seryl L lysyl-1

IR ANSWER 50 OF 58 CAPLUS COPYRIGHT 2002 AND Contiqued

tyrisyl-Liednyl Lialanyl-L thre nyl-L alanyl-Lissryl-N-.tetranylr L \times %-foranyli-, S: (FI): (7% INDEX NAME,

FAGE 1 A

19 ANSWER FO OF 58 CAPINS COPYRIGHT 2002 ACE (Continue),

FATE 2-A

NH

T== 0

TH=CH=Me

NH OH

T== 0

TH Me

NH

CASE 0

TH=FRICT

NH

NH

FAGE 2-F

L9 ANSWER 50 OF 56 CAPLOS COPYRIGHT 2002 ACS (Continued)

FASE 35

THE CHINHE

··= NH_

LS ANSWER 51 OF SH TARDUS INFYRIGHT 2002 AUS
AUGGSTON NUMBER: 1985:839901 TARDUS
GUCHMENT NUMBER: 104:137901
TITLE: Ceparation f pertudently win no into nonchange
AUTHOR(S): Hant, Villa T., Holies, Freit S.
ULROLATE SOUNCE: Cep. Filthems, Mody, Alkerta, Edminton, AB, Tri AUTHOR(S):
TO RESPATE SOURCE:
LHT. Can.

STURCE: J. bermat ir. (1986), 307, 147-55

D.CHMENT TYFE: D.CHMENT ISSN: 0121-9699

D.CHMENT TYPE: F.CHMENT ISSN: 0121-9699

D.CHMENT TYPE: T.CHMENT ISSN: 0121-9699

D.CHMENT TYPE: T.CHMENT ISSN: 0121-96999

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D.CHMENT TYPE: T.CHMENT TYPE: T.CHMENT ISSN: 0121-96999

D.CHMENT TYPE: T.CHMENT TYPE: T.CHMENT TYPE: T.CHMENT TYPE: T.CHMENT TYPE: T.CHMENT TYPE: T.CHMEN til0 peptides (% %6 residues) and mark-xamid methylated trip nin I (M-THI, 76 residues) on a new rim. available string mathin-exchange silica-based (99-,AND, column (Synchripak S300) were exami. The elotion timed if peptides were linear with respect to their net charge at $\mathrm{gH}(3.0)$ and $\mathrm{gH}(3.0)$.6.5. The basic protein (M-TnI (pI cappraid, 9.5) and peptides with thanles from +2 to +10 were sept. with linear AB salt gradients from 5 t 10 mM E/min (A * 5 mM MH2F34 buffer, pH 6.5 r 3.9; F * 5 KHCFC4 buffer, $_{\rm pH}$ 6.5 \cdot r 3.9, dunty. IM FC1). All pertides and were eluted with MCL control below Lappin.O.6M. The advantage of performing ration-exchange obtomator, over anion-exchange obtomator. demonstrated for the seph. If peptides which, while addition weakly at neutral pH, through protonation of the soldier functions results in p.s.
Tharped peptides at pH 3.0.
Th 98186-30-2 98213-54-8 98353-70-9 His ANST (Analytical Study)
(seph. of, by tation exchange HFLC, pH and tradient on one.

RN 98186-30-2 TAPLYS (9CI) (CA INDEX NAME)

19 ANSWER 51 OF 5A CAPLUS COPYRIGHT 2002 ACS (Continued)

FARE 1 F

 L9 ANSWER 5) OF 54 TAILORS (CORYALISHT 2002 ACC) Continued

LP ANSWER 51 OF 58 CAPLUS COFFEIGHT 2902 ACS (Continued)

PAGE 2 F

1 NH 7 - TH 17H2 TH2 2 - NH2

2 NH 17 TH 17H 2 - TH 2 - TH NH2

3 NH 17 TH 17H 2 - TH NH2

5 NH 2 1

PAGE 3 A

L9 ANSWER 51 OF 58 CAPITUS CONTYPICATE 2002 ACC. Continued to tetratydricum xc 3-furanyl - (301 co./A INDEX NAME)

Are lute stere themistry.

PAGE 1 A

PASE 1-8

L9 ANSWER 52 OF FR CAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 1985:519117 CAPLUS
DOCUMENT NUMBER: 103:119117
ITILE: Seneral method for the separation of tyan-denbromide

dijests of proteins ky high performance liquid ohromatorraphy. Kakhit skeletal triponin I Mant, Clin T.: Hiddes, Pitert S. Dep. Birchem., Univ. Alberta, Edmintin, AF, TG

AUTHOR(3): "ORFGRATE SOUR"E: 2H7,

2H7.

SOURCE: J. Chromator: (1985), 328, 349-56

COUNTY TYPE: J. Ornalish

AP The necessity was demostrated for a "ministion of size-exclusion, ion exchance and reversed-phase high-performance liquidity matter of size-exclusion, in the submode and reversed-phase high-performance liquidity matter.

steps, and the polumn order provides the max. Information about the properties of the fragments. The order is: (1) size-exclusion (Bit-Rad TSP 250 or lumn), (2) strong ration-exchange (Synchrigak SY00 or lumn), and finally (3) reversed phase thromatic. ("Itrapice "3). It was desirable for the first step of the procedure to be already in thormatic.

produce the least no. If fractions, the volatile electiveed in size-exclusion eleminated the need to subsequent cample desaltion. Volatile kuffers were not necessary for the ion exchange thromator.

the fractions were kith desalted and purified in the final reversed-phase step. All follows effluents were compatible with absorbance measurements at 210 nm to provide max, sensitivity for reptide detention. The omined - mined use f three meth.is of seph., which utilize different selectivities (etze, tharse, hydr ph.h.isty), one pr.vie excellent res.lvin) pr.vie excellent

plotaminy: -b-,alpha. plutamy: -b-leumy: -b-mysteiny: -b-lysy: -b-plutaminy: -bleury) i histridyi-b-alanyi b-lysyi-b is leuryi-b-lalpha. aspartyi-b alanyi

L slany) L-, alpha--il-hamyl-b., alpha--il-tamyl-b-, alpha--il-tamyl b-lyay) L-lyay) L tyr ayl N (tetrany)r D x G Grany), J D R TO CA INDEX

mintinged DR. ANOMER ST. F. SH. PARTURE TO EXPENDED 2002 AND

FAGE 1 0

EAGE 1-D

~3-M"

NH2

LP ANSWER 52 OF 58 CAPLUS COLYRIGHT 2002 ACS (Continued)

FA-7E 1 F

LS ANSWER 52 OF 58 CAPLUS TOPYFIGHT 2000 ATS TINITINGET

PAGE 1 T

FAGE 1 D

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L9 ANSWER 52 OF SR CAPLUS COFFFIGHT 2002 ACS (Continued)

FAGE 1-A

FA5E 1 B

19 ANSWER 52 OF 58 MARDYS INTERPRETATIONS AND IN SElected

PAGE 200

EN 08186-20-0 OMEDIS CN 1 Julphal-Asparation, L-Laighal-glotamyl-L-re leonyl L lysyl L valyl-L

riutaminyl-L lysyl-L-seryl-L-seryl-L lysyl-L-selpha. rlutamyl L leubyl-t-selpha. rlutamyl-N-(tetrabydr--2 x 3 furanyl)-, (S) (SCI) (CA NAME)

LR ANSWER \$2 OF \$8 CAPLUS COPYRIGHT 2002 ACS (Continued)

FAGE 2-A

PAGE 1-A

PAGE 1 B

...- H-- B-: : - H_{2 4} = NH₂

FN - Palis-54-R - MATING 'N - L'Aringmamure, D'arparannyl Lendamonyl Lengago Leeseyl Lybenylalanyl

LS ANSWER 52 OF 58 CAPLUS COPYRIGHT 2002 ACS Continue 8)

Ellalpha. asparty) C-learyl-E-arminylphyryl C-lysyl-E-phenylalanyl-E-lysyl

E-ariny):E-proly)-E-proly) i lencyl E ariny) i ariny) i valy) Micherabyh i E- x -3 furabyh (15, (97)) ("A INDEX NAME)

PAGE 1-A

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— СНО ССОВН 0 NH P NH 14 NH 2

19 ANSWER 80 OF 88 CARLOS CORPUREDHT 1990 And Commissional Design of the Commission of the Commission

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TAGE 1 F

19 ANSWER 52 OF 58 CAPLUS COPYRIGHT 2002 ACS ("Intinued)

PAGE 2-A

NH H-Pr-1 ĸн

> TARE 2-6

> > FARE 1 A

LS ANSWER 57 CF 58 CAPLUS DIPYRIGHT 2002 ADS
ATCRESSION NUMBER: 1084:473105 DAPLUS
DOCUMENT NUMBER: 101:72105
ITTLE: 1084:1473105 DAPLUS
ITTLE: 1084:1473105 DAPLUS
INVENTOR(5): 484:16, VILLIAMO OLIVERI M CIAIL, Edward Leiny
Scrippe Tinin and Researth Fundation, USA
EUR. Fat. Appl., 54 FF.
TOOMS ETAXBUM
DOCUMENT TYPE: DATENT LINCOMATION: ENGlish
PATENT INFORMATION: 1 DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

FATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 94333	A1	19831116	EF 1983-302601	19930509
EP 94233	ь1	19850828		
R: AT, BE,	CH, DE	, FR, SR,	IT, 11, 10, N1, 3E	
US 4415493	A	19831115	US 1982-377223	19820511
FI 9301496	A	19831112	FI 1983-1496	13830502
FI 79918	p.	19890630		
FI 78918		19891010		
ZA 6303103	A	19841334	ZA 1983 3109	10830500
DM 9392913	A	19631112	DK 1983-1013	19830505
AM 9314329	A:	19691117	ATT 198 4-14308	10810506
Art 555696	E 2	19861016		
3B 2120253	A:	19831130	7F 1483.126:0	19849919
5B 2120253	F.	19859829		
H11 40664	- 2	19849308	Hot 108 4 1894	19830505
E3 520221	A1	19850101	ES 1983 522221	19830600
AT 15211	E	19419916	AT 1983 304611	194405694
TP 58206646	A.C	19831201	TF 1983-8,458	19830510
ED 210259	A5	19840606	DD 1983-250764	19830513
BELLEITY APPLN. INF.			US 1982-377223	19820511
			EF 1983-302601	10830509
31				

H-Thr-Ile-Ser-Lys-Ala Lys-51y 51n Fer-Arg-Gin-Fr Sin Val Tyr-The-Leu-Pro-Ero-Ser-Arg Sin Siu-CH j

AF Peptidee
E Thr X XI Lya XI-4-X4 X4 X6 X7-46 X9-XID-XII-XII XI 4 XI4-XI4Er -XId-XII-XII XI0 Heen FI (K + H, "I 3 alkylr FI + "N, NEDF")
E.E.C.
H, "I 3 alkylr X + II+, Len XI + Zer, Alar XI + Ala, Thr Fr , Val.

H, 'I A alkykis X + ia-, we is will be in the series of th Also, Arth. This Xr - Fr., Tall. The, Fher Xi - Arth. Leo, Fr., Eker Si Tio. Also, He, Mer. Fr.: Xr - Fr., Lye, This XI - Sho, Vio, Vali XII -Val.

10 ANSWER 53 JF 58 JAFLES JOSPHISHT 2002 ATS Contributed, Hist XIC = Tyr, Hist, Lens XIS = Thr, Val., Lens XIA * Lens JIE, Met,

X16 * Fr , Glyr X16 * Ser, Fr o X13 = Ari, Bin, Bin, Berr X16 - Bin,

Asp, Sin, Arm X10 = Sin, Sin, Siy, Leur Moe + h m. serine residue n + 1,

1] were greyd, as immune m dulating apents. Thus, Me30127 ThriCH2FR'-FRe-

 $\texttt{Ser: THOPh)} + \texttt{Lye}\left(\texttt{ZC1} + \texttt{J}\right) - \texttt{Ala-Lye}\left(\texttt{ZS1} + \texttt{J}\right) + \texttt{Sin}(\texttt{Fr}) - \texttt{AtriT}(\texttt{e}_{\texttt{J}} + \texttt{Fi}) + \texttt{Sin}(\texttt{Fr}) + \texttt{Fi} + \texttt{Sin}(\texttt{Fr})$

ty HE, anis de/EDSH to give peptide 1. I at 4.00%, 9.2%, and 2.5 .mu.g/mb

.mu.g/ml. potentiated polychonal antib dy profin, by mouse spleen cells. IT 91282-42-79

iT 91282-42-79

RL SEN (Synthetic preparation) FREE (Freparation)
(preph. d. by "leavage of lots")

RN 91282-42 7 CAPLUS

N b-sighthal-filtramine,
b-threony) Lotseleumy) Lotseryl Lolysyl-b-alanyl-b

lysylglyryl-1-plutaminyl 1 prolyl 1-arginyl 1 halpha.-plutamyl-1-pr lyl-1-Thotaminyl-L-valyl-L-tyr-syl-L-thre nyl-L-lensyl L pr lyl-L prolyl L seryl $L-arginy1-L-,alpha,-glotamyl N\cdot (tetrahydr--2-,\kappa)-3-furanyl;-,~(3)-$

.9311 (CA INDEX NAME) ES ANGWER 53 OF 58 MARING OFFICE HT 2002 A World Obsinged.

FA3E 1-A

PAGE 1 F

 $-(-H_{\rm C})/4=NH_{\rm C}$

LB ANSWER 53 OF 58 CAPLUS COPYRIGHT 2002 And Continued)

PAGE 2-A

FARE 2 F

19 ANSWER 53 OF 56 CAPLUS COPYRIGHT 2002 ACS (Continued)

Hanegenhe (THa) a- $\mathbf{H} \mathbb{C}_2 = \mathbb{C} \mathbf{H}_2 = \mathbb{C} \mathbf{H}_2 = \mathbb{C} \mathbf{H}$

ANOMER 54 OF 56 VALUES OF GYREITH 2001 ADS
SELON NUMBER: 158,1439-92 CARLING
WINTENBER: 0139302
E: Antire f 4 or 5 mast hexad i world derivative
NTTP-58: Gravetick, M. Otward Fastry
UNT ACCIONEE.2: EDIT 54 April, 35 pt.
UDENN ERXXON
MENT TYPE FEXTOR ATTESSION NUMBER: DOCUMENT NUMBER: TITLE: INVENTOR(S): FATENT ASSISNEE . St : DUCUMENT TYPE: EARSUASE: E
FAMILY ASS. NUM. SCUNT: 1
FATENT INFORMATION: English PATENT NO. AFFILITATION NO. CATE KINE DATE A1 19820203 B1 19840314 EF 1981-404070 19813716 EF 45:01 F1 13440314
E: AT, FE, "H, FE, FF, H, IT, I", NL, IE
ZA R104693 A 19805026 ZA 1381-4493
AT 6647 E 19840315 AT 1541 303.270
AU 8174099 A1 198.0325 AU 1981-74039 AT 6637 AU 8173099 AU 542662 FI 8102307 No 8102532 19810716 19850129 19850138 PRIDRITY APPLIA. INFo.: , aryl, aryl-xy, alk-xy, aralk-xy, (un)substituted 02-6 alkenyl, arkyr, B9CONHCHRIO (R9 \times alkyl, cycloaikyl, arylr R1O \times H, C1-5 alkyl, atalky).

(r cumm n amin acid side chain): El = H, (Cl 5 alky), aralky): E2 = alkvl. , alkenyl, aralkyl, aralkenyl, aryl, indolylmethyl; R^a * H, J1 3 alkyl; Re = H. Cl 5 alkyl, araikyl; R6 = H. aryl, Cl 5 alkyl, araikyl; R6 = H. C1-5 alkyl: R6R7 = C2-5 alkylener R8 = CH, aryl my, (no substituted alk my, cyclealk my, (un)substituted NH2, arylthiar X = CC, C8, C92, NHCC;

LS ANSWER 55 OF 50 CAPLUS COFFRIGHT 2002 ATS
ACCESSION NUMBER: 1581:26841 CAFLUS
DOCUMENT NUMBER: 54:36941
TITLE: 4 3-benz-ylpropromise and phasmateutical compositions on nearbility at
INVENTOR(S): Dechalm, Educations of the state of the s DOCUMENT TYPE: LANGUAGE: FAMILY ACT, NUM. COUNT: PATENT INFORMATION:

PATENT NO. KINE SATE APPLICATION NO. DATE A 19890312 3B 1978 34860 19780829 38 2628794

 $\operatorname{PK}^{\mathrm{con}}(\operatorname{TH}_2) \operatorname{200MH} = \operatorname{Vol}_{-1}$

AB 3-(C'-Benzeyjr pi namid hiddyr lact be []) [75979-10-1] prepd. from seeta, benz ylpropi nin acid [[]]bli-95-5] and 3-aminobutyr lact be [[]] by the mixed analydride meth diruid ke used as a setative.

.ive. E.g., tablets contp. I and pharmaceptical carriers were suitable for treatment if indomnia accompanied by serious distriber of the network systems abute end peritoreal toxinity of 1 was 1 w (1050 >4010).

75979-10-1P

75879-10-19
NLT HERP (Freparation)
(green. It is reducine pharmaneuricals)
(strent. The set of the section of t N CCA INDEX NAME:

ripes. NH= "= "Hg= "Hg--"=Fh ANSWER 58 (# 58 MAINS NORTHINE COST ASS (F stinged)

A1 = 00, CHICH:, 70, CHINEI) (#11 = H, 11 5 alkyl, aralkyl); X2 = 00,

HEI], Usefal as antihysertematics to data die to their altity to

indict anti-tenth roughly complete, when pref. This,

(BS,ES) A WHIHCHIELD COHOLEMAN WAS contensed with Hobels (Meanly

DNOISH Hopels prefer that it is in THE to live

LETTOLEMAN.

ezzelnunge Kir SEN (Synthetin preparati nis EPEE Freparati.n) (prepn. 15) (200) 06-5 (MADUS) Fenzenebexanamise,

. Jelia: (Netz ylumi) ()-alpha.-methyl-.jamma. X -N (tetrahyli 2 x 3 firanyl) (27) (7A INDEX NAME

ACCESSION NUMBER: CCCUMENT NUMBER:

TITLE:

ANSWER 56 OF 68 CAPLUS COFYRIGHT 2002 ACS
USGION NUMBER: 1979:575738 CAPLUS
MENT NUMBER: 91:75738
EE: Friented natural peptides as intermediates f.r.
preparing semisynthetic peptides and protein analiss.

Selective amylation of Legalich Amazon groups in tyanigen krimide peptides of hytrobrome clusing and frimates. Ledden, David Jr. Nix, Paul T.: Warme, Faul Y. Leg. Bi them. Birphys., Feinsylvania State Univ., University Park, PA, 16802, USA. Existing the property of the Problem. Bracker, PA, 16802, USA. COLEN. BRACKER, 1500: 0006-7002. Jurial Course.

AUTHOR(S): "SEPTRATE SOURCE:

SCURCE:

DOCUMENT TYPE:

DITUMENT TYPE: J untal
LANTMARE: English

AB Horse-heart byth me nowas cleaved by Brin't live fragments 66-80,
Al-104, and 66-104, which were selectively anylated at Legsific.-NHC

and ghen.li. OH by Fig-N) (Fig. + MeSyg.) with kill anylation of valphs, NES

in aps. Fimilar selectivity was obtained for anylation of 81 104

ment the selectivity was obtained for anylation of R1 104 ment try production of R1 104 ment try productions (B * H (2), N02, Mel). Such protective in upo were removed under mild conditions (e.g., reforcing Heroffer 2M, byforcen lysic). So Met Tow (Such expressing) these copied to 2-protected R1-104 fragment to give Such mild (B removed R1 104) fragment to give S45 B (S8 108 104) fragment. 7131-67-69
Pictorial (Cystheta preparation) (Reportation) (preparation) of the second mild selective anylation of separations in upon the type of the second mild selective anylation of separations.

f imates: EN 71731 67-4 "APL"S

TN L-Lysinsmide, h. .ulpha.-ilotamyi-b-tyr-syl-t-leocyl-t..ulpha.-ilutamyl-b-

amparazinyich pr lyi-b-lysyi-b-lysyi-b-tyr syich is lebryi-b-pr lyiniyiyi b-thre nyi-N-(tetrahydr 2 x 2 foranyi)-, (3-- (2-) - (A INCEX NAME)

19 ANSWER SE OF SE CARLOS COPYRIGHT 2002 APS Continued.

L+ ANSWER 56 OF 56 HAPLUS COFFEE SHT 2002 ATS CONTINUES

FASE 1-F

FA3E 1-A

Ţⁿ Ì TH:

DP ANSWER 56 OF 58 CAPTUS SCRYFIGHT 2002 ASS (Notinued)

FAGE 2-8

L9 ANSWER 57 OF 58 CAPLUS COPYRIGHT 1992 ACS
ATMESSION NUMBER: 1979:553046 DAPLUS
COCUMENT NUMBER: 31:153046
TITLE: Chrom pertides from C-phymodyania. Structure and inkage f a phymodyanizina b dod to the Jeta. advinor.

AUTHOROS: Ladarias, J. Clarks Stazer, Alexander N.s

AUTHOR:S): Rap p rt,

Henry Dep. Shem., Univ. California, Ferkeley, "A,

COREDPATE SOUNCE: 04720, MCA JOVRCE:

La ANSWER 57 OF SR CREEDS CLEVELHER 2003 ACC . CLevelhouseds

FA-JE 1 A $\label{eq:Holess} \operatorname{Holess} (\operatorname{Holess}) = \operatorname{Holess}$ He No He He He

19 ANSWER 57 OF 58 CHEERLY CULTYFICHT 2012 ACC. (Continue)

TAJE J A

meth xyrhenyl)sulf.oryl]amin (methyl)-L-.rnithyl)-N-(tetrahydr--2--x--3-furanyl)-, phenylmethyl ester, (S)- (97) (CA INDEX NAME)

L9 ANSWER 57 OF 58 CAPLES COPYRIGHT 2002 AGE (Continued)

FA3E 1-A CH-CH2 CHC-CH2-FL

PN 71524 66 6 TAPLIG
TN L-Laighal-Amparatine,
N2 (NL-N ((1)) ismethylethoxy marb byll-1 (euryl)N5 (nlm ((1)) ismethylethoxy benylled for (man (methyl) to thatbyl) in
(tetrahydro 2 xc 3 futabyl), phenylmethyl enter, 80 to 1 674
tours. INLEX NAME)

is Answer 57 of 56 Carlus Coryright 2002 Add (Continged)

PAGE 1-A NH C D H=NH= C= CH= Fo+1 ! NH

Tis24 67 0 "AREUS Butanist and, 3-[[(0,1) imethylethoxy) tark nyllamin [-4- x | 4 [(tetrahydro 2 ox "3-furanyloamin]-, phenylmethyl ester. [C | F*.F*.]-15-11: ["A INCEN NAME"]

Als jute stere themistry.

19 ANSWER 57 OF 58 CAPLYS COPYRIGHT 1991 ACC . Continued-

meth xyghenyl)sulfonyl]amin-[methyl] Lornithyl]-No(tetralyfr -2 \times 5 furanyl)-, ghenylmethyl ester, (St- (901) ± 0.3 INDEX NAME:

L9 ANSWER 57 OF 58 CAPLUS COPYRIGHT 2002 ACS (Continued)

FAGE 2-A

LO ANSWER STORE SA MARDIO STRYRIGHT 2002 AND CONTROL OF

FARE C.A

EN = "1669-92-8" CAPLUS $N = 1 \cdot \text{alpha--Asparation}, \\ N = \{(1,1-\text{dimethyleth}|xy) | \text{art}| \text{ayl}\} \text{ Nb-(imin } \{(-4-$

FAGE 1-A

L9 ANSWER 57 OF 58 CAPLUS COPYRIGHT 2002 ACS (Cintinued) (CA INDEX NAME)

L3 ANSWER 58 OF 58 MAILUS TIPYRITHT 2001 ANS AITHOSIN NUMBER: 1978:204487 ARIUS DOCUMENT NUMBER: 50:20447 TITLE: Formisynthetic analigs of by throse or

DOCUMENT Numi TITLE: modification

AUTHOR(3): CORPORATE SCURME: SCURME: Protein

fragment tendl 4 Wallate, 7, 5, A. Leg. Z. 1, Marv. Ext. d. Cxf. rd. Engl. Semisynth. Pept. fr teins, Esp. Int. Meer.

t aive tragment A (1-65), frajment B (65-80) [K-5]uichlj-Tyr-leu-Glu(Chl)-Ash-Tyr-Lyr(A)-(lyr(A)-Tyr-Tle-Fr-Gly Thr-X-R2 (1/ R = El = H, A = aretimid-yl, X = Lys(A), El = h m derine lait hel (11, and frajment

(RI-104). If was esterified with MeCH and treated with Fight (RCC = MeCC2C) to give I [R = RCC, R] = Me, X = bys-A), RC = h m serific lattine, the which underwent lattine of heavase to live the corresponding

I (RI = homoserine residue). The latter was theaved with mark xypertidase

give I (K, RI, X = samer R2 = CH) (R I), which was ileased with carboxypeptidase E to give I [R, kI = samer X = rendr R3 = CH (R-2)]. Fragment C was coupled with BOC-Met-OB: (B) = substituting I) and ED debinsked to give methingly C, Methyody ([Rieff 4)82]). What also prepd. The fragment C analogs were coupled with B-1 or F 2 to give

corresponding semisynthetic BC fragments) [Asp66, Fhe(F-4,82]-FC was

prepri. The BC fragments were BCC-deblooked and dapind, to give deprotected BC fragments, which can be coupled to fragment A to give semisynthetic cyclocks me consolving.

IT 70291-06-4P

BL: BCT (Reartant); SPN (Synthetic preparation); PREE (Preparation (1996) and Melesterification (1997) and Melesterification (1997).

EN 70291-06-4 (ARPIG. C. L. Lysinsmide, L. aipha. glutamyl-Letyr syl-Lebonyl-L. aipha. glutamyl-Letyr syl-Lebonyl-L. aipha. glutamyl-Letyr syl-Lebonyl-L. aipha.

asparacinyl L prolyl-Né-(l-iminoethyl)-L-lysyl Né-(l-iminoethyl)-L-lysyl-L

tyresyl-L-ispleouyl (Liprolylip)syl-L-threepyl-Ne-(1) immosethyl oN-(tetrahydr-2-ox-3 foranyl)- (201) (CA INDEX NAME)

Absolute stere themistry.

L9 ANSWER 58 OF 59 CAPLUS COPYRIGHT 2002 ACS (Continued)

FAGE 1-0

ΙT

70291-08-68
RL: SPN (Syntheting preparation): FREF (Freparation)
(prephr and last ne dleavage of)
70201-08-6 CAFUS
L-typinamide, N:[((.)-dimethyleth.xy) arb myi] L daipha.-plutumyi-b-typreyi-b-leucyi-b-alpha.-plutamyi L asparatinyi-b-prolyi-Ne-ol-

imin wthyl) L lysyl N6-(1-imin ethyl)-L-lysyl-L-tyr syl-L is decryl L

pr lylrlycyl-L-thre cyl-N6-(1-imin ethyl) N-(tetrahydr -2- x -2-foracyl , dimethy) exter (471) = (74 INDEX NAME)

Ata lute atere themistry.

FASE 1-A

19 ANSWER 59 OF 58 TARLUS PURPOSITIONS AND TO Extraposit

PAGE 1 A

FAGE 1 F

L9 ANSWER 58 OF 58 CAPLUS COFYRIGHT 2002 ACS (Continued)

PAGE 1-F

FA E

Seret

70291-07-59 Ris PTT (Heartant): SEN (Synthetic preparations EPRE (Preparation prepro and reacts of the with test-bod synars by) aside 70251-07-5 (TARDOS

N Silyainamile, Lalpha.-mistamyl D tyr gyl-b-leunyl-b Jalpha. mistamyl-b-

apparaziny)-tipr lyl N6 (l-imin ethyl)-tilybyl N6 (l-imin ethyl)-tilybyl-ti -yr myl-tilmi-leonyl-tipr lylily yl tithre nyl-N6 (l-imin-ethyl-N6) tetrahydr -2- x -3 firanyl -, fimethyl ester (201 - % INDEX NAME

Aka line stere themistry.

L9 ANSWER 58 OF 58 CAPLUS COPYRIGHT 2001 ACS (Continued)

PAGE I A

FAGE 1 B

LR ANSWER SWICE SWINGARDUS INCEMEDIATIONS AND CONTINUEDO

PARE 1

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L1 STRUCTURE UPLOADED

L2 249 S L1 FUL

L3 240 S L2 AND CAPLUS/LC

L4 9 S L2 NOT L3

L5 STRUCTURE UPLOADED

L6 232 S L5 FUL

L7 223 S L6 AND CAPLUS/LC

L8 9 S L6 NOT L7

FILE 'CAPLUS' ENTERED AT 16:23:51 ON 18 JAN 2002 L9 58 S L7

FILE 'STNGUIDE' ENTERED AT 16:32:32 ON 18 JAN 2002

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(FILE 'HOME' ENTERED AT 16:21:30 ON 18 JAN 2002)

	FILE	'REGISTRY' ENTERED AT 16:21:41 ON 18 JAN 2002	2
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L2		249 S L1 FUL	
L3		240 S L2 AND CAPLUS/LC	
L4		9 S L2 NOT L3	
L5		STRUCTURE UPLOADED	
L6		232 S L5 FUL	
L7		223 S L6 AND CAPLUS/LC	
L8		9 S L6 NOT L7	
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FILE 'CAPLUS' ENTERED AT 16:23:51 ON 18 JAN 2002 L9 58 S L7

FILE 'STNGUIDE' ENTERED AT 16:32:32 ON 18 JAN 2002

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=> s 110 L11 9 L10

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ANSWER 1 OF 9 JAILUS JOSTRISHT 2002 ATS
SOSION NUMBER: 2001:453045 CAPLUS
HENT NUMBER: 135:46075
LE: Synthesis and use f bydickamus and servivatives ACCESSION NUMBER: DOCUMENT NUMBER: TITLE:

inhibiture i human "DDA and TNF Lalpha, release Faller, Andrews Farrant, Elizareth; Servis, Ander-Stelline Smitkline Seetham FLC, "MK F.T. Int. Appl., 23 pp. "DDBN FIDMIC" INVENTIBLES :

FATENT ASSIGNEE:So: SOUNTE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. S FATENT INFORMATION: English 1 WUNT:

PATENT NO. KING DATE APELL PATTERN NI. DATE WB 2991944221 A1 29919623 WB 2999-384772 29991214 W: AE, AG, AL, AM, AT, AC, A2, FA, FF, B9, FR, FY, B2, CA, CH, "N CR, CU, CZ, DE, DK, DM, BZ, EE, ES, PI, GB, GL, GE, GH, GM, HL. HU, IB, IL, IN, IS, MF, KE, FG, KF, KR, KZ, LC, LF, LR, LC, LT. 17. LV, MA, MC, MS, MK, MN, MW, MX, MZ, NC, NZ, FL, FT, Ro, BT. SE, SE, SG, SI, SK, SL, TJ, TM, TE, TT, TZ, VA, VG, VS, VZ, VN. YU, ZA, ZW, AM, AZ, BY, KZ, KZ, MD, BU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, U3, ZW, AT, FE, GH, ΥY. DE, DK. ES. FI. FR. GR. GR. IE. IT. DP. MAT. NO. PT. SE. TP. BF. BJ, CF, CS, CI, CM, SA, GN, GW, HL, ME, NE, SN, TU, TS
ERICRITY AFFUN. INFO:: GB 1994 29527 A 19991214
OTHER SCHROE(S): MARRAT 135:46078

Lil ANSWER 1 OF 9. CAPLUS COPYRIGHT 2002 ACS - (Continued) Absolute stereochemistry.

345234-98-2P

II 345234-98-2P

RE: RCT (Reactant): SEN (Synthetic preparation): PEEE (Preparation in intermediate: synthesis and use if hydroxamic acid terior, as inhibit rs of human CD23, TNF Julpha, release and on Halenase)
RN 345234-98-2 (APLUS
CN 2-Naphthalenehutanum acid,
Julpha, hydroxy, Leta. ([((35)-tetrahydro-4,4dimethyl-2-w--f-turanyllamin] wat by]], 1,1 dimethylethyl ester,
(Jalpha,3,,Eeta.E) ((CT)) JCA INDEX NAME)

Aus inte sterenchemistry.

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Abs lute oteres themistry.

111 ANSWER 1 OF 9 MARLOS SUPPRESHT 1991 ASS - Finitalized

A5 A mmpd. of formula I is obtained (whereing R = mmmo, discretizate into the discretizate of decific model, easypoyl or argula R1 =

arylmethyl in heter cyclylmethyl: R2, R3 = alkyl]. The example of privided (II). The prives claimed involves depritects in flat rices; adding 0 kerzyl in Octoberthylarly) bydrivants and derive ricephing if the prives into year with and with hydrixplannee (if a each thereof). Compde. Conhibit release if a 1. TC3 and within the

TMF-Laghar for data, and exhibit report of villagenage inhibitity activity to

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34(2)\$-04-03 (MARUS
Butanedianide, N4-hydroxy-) (2-naphthalenylmethylo-1-prip xy-N) [(SS)
tetrahydro-4,4-dimethyl 2-ox -2-foranyi)-, (28,75 - (901) -774 (NDEX

Lil ANSWER 1 OF 9 CARLUS COPYRIGHT 2002 AC3 (Continued)

EN 945235-01-0 TAFLITO (N 2 Naphthalenemutan.if anid, alpha, prop. syr.leta.)[[[(S].tetrahydr.4,4 dimethyl 2 x ~ 3 furanyl[min.] fark syll-, l.1-dimethylethyl ester, (alpha.S.,leta.h). (3/1) (TA INDEX NAME).

Absolute stere themistry.

EN 445245 02 1 MARING ON THE STANDARD S INDEX NAME:

Aks life stere themistry.

11' ANSWER 1 OF 9 HARLUS CHEYRIGHT 1900 ANS 10 Continued)

REFERENCE COUNT:

12 (2) Earley, Br ECORMANI''S MEDICINAL HEMICTEY LETTERS 1999, V9(21), PBLEY CALLUD (4) Eritish Br - Technol by: Wo (1927)6 A 1991

MEDIIS

(E) British Bi: Techn I gyr Wo 9402447 A 1934 (6) British Birtech Fharms WC 9702239 A 1997

PULLAR:

CARTIE

(7) Christie, G: WC 9602240 A 1996 MAPLUS ALL CITATIONS AVAILABLE IN THE RE FORMAT

Ell ANSWER 2 OF 8 CAFLOS COPYMIGHT 2002 ATS (Outsing-d) 1945-COA reductane inhibitor, simayastatin, in rafkits was studied. A table contained 2-64°-brookighenyl-4-sulf sylumin (-5-Me kutyri) acid 25.

acid 28
ACAT cimpd. Latine 59, form stand 20, and mainesium stearate f m).

17 25646-49-8 25647-28-6
Rir FAC (Evil giolal activity or effectir, except adverse): THY (Therapeutir use): FIGL (Evil giolal study): 79ES (Teas, [pharmaceutiral compute or ito. ACAT and MME inhibitors for treatment or except adverse): ACAT and MME inhibitors for atherosoferutic less may

RN 25664-49-8 CAPLUS
NN 1-Pyrr Lidinepropagnit acid,
3 (4 (4 pyridinyl)]edeta.-[[[(33)-tetrahydro-4,4-dimethyl-2-cx -3-furanyl]amin.]curk myl] , (.tetu.F)

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Aks lute stere themistry.

25A647-2F-6 CAPING THE PROPERTY AND CONTROL OF THE PROPERTY CAPING AND CONTROL OF THE PROPERTY OF THE PROPERTY

Absolute stere chemistry.

| Company | Comp inhibit is for the treatment of ather soler to Hosting Figure Condenses Board, Thomas Mithael Andrew Warner Lambett Company, 93A FOT Int. Appl., 200 pp. INVENTIBLE: FATENT ASSIGNEE(3): SIMPLE: DOMINENT TYPE: LANGUAGE: FAMILY ACCOUNT, COUNT: FATENT INFORMATION: English 1 FATENT No. FINE TATE APPLICATION NO. DATE WC 2000004892 A2 20000.03 WC (449 US1/948 17990618 WC 2000004892 A3 20000516 W: AE, AL, AU, FA, FF, F3, FR, CA, TN, CU, TZ, EE, GE, GE, HR, E.'. ID, IL, IN, IS, SP, MP, MR, LC, IK, LR, LT, LV, MS, MY, MN, ΜX, NO, NZ, FL, RO, SO, SI, SK, SL, TR, TI, VA, VO, VO, VN, YV, ZA, AM, AZ, FY, KG, KZ, MD, RC, TC, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, MG, ZW, AT, RK, MH, MY, DE, DE, ES, F1, FR, GF, GR, 1E, 1T, 1M, MT, NL, FT, SE, FF, BT, CF, 29, TI, CM, SA, SR, SW, ML, ME, NE, SN, TL, T;
AM S947017 A1 20000014 A3 1999-49010 10000618
BE 9312296 A 20010417 BE 1990 12296 18990618
EF 198660 A2 20010416 BP 1600-030888 10000618
EF AT, BE, CH, CE, DK, ES, FR, GB, GR, IT, LI, LM, NL, SE, MI, FT, IE, SI, LT, LV, FI, KO
NO COGLOCOSON A 20010118
PRICERTY APPLIN. INFO.: IE, SI, LT, LV, FI, RO

NO 0001002031 A 20010118 NO 0001 201 20010118
PRICKITY AFPLK. IMPO:: US 1906-99690 F 1096021

AB Anyl-C Arch lesteral advitransferase (APAT) and matrix
metall proteinase

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impairing the expansion of existing lesions and the development of new
lesions and for the prevents of fighter sphere and the promition of
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LIL ANSWER 3 OF 3 CAPLOS ACCESSION NUMBER: 13 03 | USPYRIGHT 2002 AUG | 1999:668213 | UAPLUS | 130:76830

A New and Efficient Synthesis of Constural Amin.

and Peptides by Selective 3.3-Dimethyl in Xirane Side-Chain Wildatin Saladini, Kaffaeler Mezzetti, Maurizi o Minoi ne, Enrico: Tirrini, Ines: Paglialunda Paradisi, AUTHORISE:

Marsio

Mastripletri, Gala Dipartimenti A.B.A.C., Università delli studi COMPORATE SOURCE:

Tubila, Viterki, 01100, Italy J. Dri. Chem. (1989), 64(23), 8468-8474 (MIEDEL TOTEAR) ISSN: 9022-8263 American Chemical Scheety Curnal SQUECE:

FURLISHER: COMMENT TYPE: American Chemical Science
DOCUMENT TYPE: Coursal
LARDWARES
CTHER SCHETCES: TASPEAT I COURSE
AS NABAT derive, flew, Met. The, Top, and Fr., the properties of which
resemble three of the resp. Lalpha-mann and residues present in
proteins, rapidly widice in the presence of % 3 dimethylic wishes

different products depending in the attracture of the oxidizable or up $\bar{\rho}$

the sile chain. A high registed tivity for the skylen at monsection into the gramma. This id following the same state the weaker calpha. The hod was bed. A point on relativity in the smith. If periode points, more than the Leurenides was also found.

peptides onn 192199-45-4P

.: 194199-65-4P
Pit STN (Synthetic preparation); ERET (Preparation)
(preps. of by selective 3.3- immethyldi Mirane Side-chain (Midn.);
EN 102193-45-4 CARLOS

Tarthanin and, (13)-3-bydr xy-3-methyl-1-[[[(38)-tetrabydr -5,5 dimethyl-d-xx-7-furanyl]amin [)arbinyl]bubyl] , 1,1-dimethylethyl ester /971

INDEX NAME:

Are lure stere imemistry. Bitati n (+).

54 (1) Aiam, W. Act them Eve 1989, V.2, EDTS TAILTS (2) Aiam, W. Them Ber 1991, VIC4, EDSS TAILTS

Lil ANSWER 3 OF 9 PARLUS CHYRIGHT 2002 ACS (Toution-1) (3) Adam, Wr Tetraheir nobet 1992, VSS, Pid CAPLUS (4) Adam, Wr Tetrahedr 5 Lett 1993, V34, P5247 APLUS (6) Abend: , 3/ / Am Chem / - 1999, V118, E7250 TAPLUS ALL TITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 4 OF 9 CAPLUS CONTROL 2007 ACS (Continued):
US 1890-200602 A3 19090511
OTHER SOURCE(S): MARKET 126-20191 OTHER SOURCE(S):

AB The present invention is directed to title compds. I [X * F nd, (un)branched, (un)sabd. FI-8 alkyloptionally contours or S atoms, .ptr nally substituted by Fr Y * Find, [HidH], for R1 * H, wikyl, heteriary), nyskalkyl, heter nyskalkyls RL * any or up Kl, 1.810s R3 = any troup R1, NRITRL2, ORITR or R2R3 them opin alkyl or heter cyclealkyl proper R4 = H, soutable ora, maletys R5 = CONCH., 102E13, SH. NCHO CHC, STOCKIA, FIGURE PROPERTY FOR STANDARD STORE STANDARD STA in up B1s NB12B12 = heter aryl, heter $\pm y \cdot 1$ alkyls F13 = H, alkyl,

useful fir inhibiting the artivity of a metallogy teinase by deficit format.
intaiting
intaiting
the metallight tenhade with an effective amit. f the inventive riegita.
Thus, yelloridensation if Brid-Aspid HEPbill-She like rie MePTOZT:
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aces there f, and pharmaneutinally ammeptable pr drups there f. T mpds.

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gyrole analog fit. If and Lappin.60 related better goles were tested for analog fit. If and Lappin.60 related better goles were tested for 17.207119-30-00 Fit PAT (Bill binal activity or effect or, except alverse, a PT Theorems of Systematic preparations TBT (Therapeut, cuse, a Ft Light binal)

1.7 Chen, Jian Jeffrey: Deal, Jidith 1. As or n Pharmaceuticals, Inc., TSA: Syntex FATENT ASSIGNEE S): in:
Put Int. Appl., 278 pp.
"DEN: FIXXOD
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English GOTTPOTE: DO THMENT TYPE: LANGUAGE: FAMILY ADT. NOM. TOUNT: FATENT INFORMATION: PATENT NO. KINE DATE APPLICATION NO. DATE 98]7-43 Al 1980430 W0 1997-0317809 19971006 W: AL, AM, AT, AU, AZ, EA, BE, BG, EB, BY, CA, CH, CN, CT, CZ, ÚΕ, DE, EE, ES, FI, SB, SE, SH, H9, ID, IL, IS, JP, YE, KS, YE, FR, KE, LT, LK, LF, LS, LT, LY, LV, MD, MG, MK, MN, MW, MX, No. NZ, PL, PT, RC, RC, SD, SE, SS, SI, SK, SL, TJ, TM, TR, TT, VA. чз, 'UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, T.', TM RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, SK, ES, FI, GB, GE, IE, IT, 19, MC, NL, PT, SE, PF, BJ, OF, OS, CI, CM, βA, GN, ML, MR, NE, SN, TD, TG 247 A 19991228 080 A1 19985515 94 B2 20510705 42 A1 19990825 GN, US 6008243 AU 9748060 AU 735194 EF 937042 us 1997-823962 AU 1997-48060 144 BE 2001.0705 142 AL 19900825 EE 1597 910770 19971006 AT, BE, CH, DE, DE, ES, ER, GB, GR, LT, LL, LU, NL, SE, M°, FT, 1E, SI, LT, LV, FI, RC
TN 1243287 A 19941027
BE 9713278 A 19951107
TV 20990828
ZA 9709406 A 19980709
NC 9701322 A 19980442
VS 6796872 FI 200110128
ELTY APPLN, LNEC. IN 1897-188705
BR 1497-14278
JF 1998-519304
ZA 1997-9406
NC 1999-1922
VS 1999-1922
VS 2000-558209
US 1995-29115
F 1997-822962
WD 1997-US17805
WD 1997-US17805 US 6306892 FRIGHTY APPUN. INFO.:

LII ANSMER 4 OF 9 CAPLUS COPYRIGHT 2002 ACS (Continue) study; PREF (Preparation): USES (Maea) (preparation) feeter anyl suctinamides as metallipriteiname inhibitors.

RN 207119-30-0 CAPLUS
CN H-Pyrrile-i-priparity anid, 3-[4 (4 pyridiny))phecyl] .heta.r([(35)-tetrahydro.4,4 dimethyl-2-ext-3-furanyl]amin']tarb.nyl]-, plenylmethyl ester, (.heta.8)- (3CI) (CA INDEX NAME)

Absolute stere-chemistry.

IT 207118-50-1P 207118-71-6P

IT 20718-50-16 20718-73-66

Fit BA (Estimated activity or effector, except adverse): SIN
(Synthetic preparation): THU (Therapeutimose): FIGL (Estimated study): FREE directors of: "TEX (Thes) (prepose the test are actions indeed as metalliproteinase inhibitors EN 20718-50: "ALUMO N. HE-Byrtle-lept point action, 3 (4 44 pyridinyliphecyl) sheta. [[[(42) testabut 4,4 dimethyl 2 nxi-3-foranyl)amin [cark nyl]-, (sketa.E-15-15).

911) (TA INDEX NAME)

Ahs lote stere, themistry.

200116-71-6 TATADOS HE Springer 19-40-19-4 [1.17-tiphenyi]-4-yl1--reta. [1.17-tiphenyi]-4-yl1--reta. [1] 35. tetranyii -4,4 dimethyi 2 \times 3 formanyi]amon [sertinyii]. Springer 20-2 \times 3 MEEX NAME.

ELL ANSWER 4 OF 9 CAPLUS COPYRIGHT LOGIC ARS 10 Introded

IT 207119-46-8P
Ris RIT (Peartant): TEN (Syntheting regulation : PRED (Preparation) (preps) of better anyl subminished as metall proteiname (inhibitors)
RN 207119-46-8 TAPLUS
TN (H-Pyrole-8-propaint) and, 1-(4'-dyan-[1,1'-bughenyl] 4 yl) obstant[[[(35) teoratydro-4,4-bugethyl-2-x-3 furanyl)amano[mark.nyl]-, phenylmethyl ester, (.Peta.S)- (971) (CA INLEX NAME)

Aks lute stere themistry.

Lil ANSWER 5 OF 9 CAFLUS COFFRIGHT 2002 ACS (Continued) INDEX NAME;

Absolute stere whemistry. Rotation (+,.

Lil Answer 4 of 9 TAPLOS CLEVELORI ACT ACTESSION NUMBER: 1997:409798 CAPLOS 127:95550 TAPLOS 127:95550 FRITTE: Figure 1997:409798 CAPLOS 127:95550 FRITTE: Figure 1997:409798 CAPLOS 1009798 CAPLOS 10097

XV:765

at minmerti nint learne derivatives and learnes intaining diseptides Medaetti, Maurizi / Minime, Ehric / Saladin / Raffaele ADTHUR(F):

Raffaele
Dipartiment: Administration for Enrical Saladin,
Raffaele
Dipartiment: Administration of the Community of the Commun TORFCHATE SUMBLE: O'DE RE

PYBLISHER: BSCUMENT TYPE: LAN P'ARE:

As A simple and straightforward approach to selective TH .sigma. It is xyuen.

At m infertion into Leu residues in poptides uning dimethyldi xirane.

- DML -

: is described. For example, Bor-Leu-OMA is exidized by 6 equivable DMO

THOSES at 25 degree, for 3 days to form I in 42% yield. However, this reaction failed to yield appreciable amost of oxidize typodocts for Bor-Mas-DME (Xau = 61y, Xia, Val, Tie and Fine , and a reaction

anism Husel n these results was given. Binibeu AlaroEt was ixidizerly nn exhessiamt. Fi DMC in CH2C12 at 25.Degree, bir 3 days to give 11 at 388

His SPN (Synthetic preparation): PMEP (Preparation)

(minor products wide, of leurine derive, by inserts a of an owner at minor a tertiary C-H using man-b of by limethyldickinane;

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not inclined a CARLUS
TN "arkamin acid;
[18] --Anydr ag: "emethyl 1-[[[(3s]-tetralydr.-5,5]dimethyl]
2 socid furanyl[amino]cart.nyl[kutyl] , 1,1 dimethylethyl ester (201)
(CA

LII ANSWER 6 OF 9 CAPLUS COEFFICHT 2002 ACS
ACCRESSION NUMBER: 1390:179812 CAPLUS
DOCUMENT NUMBER: 136:174812
TITUE: Stere.selective hydroxylati n of a peptide side

The synthesis of the echinocandin rint-half equivalent Sakaitani, Masahiroz Chfune, Yasufumi Sukaitani, Masahiroz Chfune, Yasufumi Suntiry Inst. Fictoro. Res., Ssaka, 618, Japan Tetrahedron Lett. (1989), 30(17), 2241-4 COMEN: TELEAY: ISSN: 9049-4030 Journal English CASKEACT (12:179812 AUTHOR(S): CORPORATE SCURCE: SCURCE:

DOSTMENT TYPE: LANGUAGE: STHER SOURCE(S): SI

IT 12616-34-59 126160-22-59

Fit STM: Synthetic preparation; FREP (Preparation)
(preph. d)

EN (2616-34-5 PARIUS

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A MOREX INDEX

NAME:

L11 ANSMER 6 LE 9 (ALLYS TIPVELIHT 1992 A.S. (Continued)
EN 16:88-22-5 (ALLYS
TN L-Threentomanide.
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N-(t-her momethyl)tetrahyd) (2 m - t torany)), (Mostrang) (20) INCEX NAMES

L11 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2002 ACS (Continued)

Lil ANSWER 7 DE 9 VARLTS DEFENDET 2002 ACT ACCESSION NYMEER: 1989:110301 CARLTS DOCHMEN NYMEER: 1103:10901 TITLE: 5118 and 7, new actives a Activity to the Structure Wichinston
 Kay Masshisar Yaninoma, Kazuk r Numata, Kerichir Kenishi, Massiskar Ski, Toshikaror Kawapochi, AUTHOR:S/: Hir shi
CARCHATE SUMANE:
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153, Jagan
SUMANE:
A Natible to (1588), 41 10; 1308-50
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THEN SUMRE(s):
The structures of new antitudor antiblectics, illibrations A, F, and C were
about a transfer of the structures of new antitudor antiblectics, illibrations A, F, and C elumidated by a combination of other, and encymnobegrous, and spectral analyses. They have in domining a symbols triperties numbers composed f Lethrennine, 4(S)-amin =2(E) pentennin and, and erythm =4-hydroxy-Llysine, and differ from each other in the unsaid. fatty and miety atta-thed to the peptide.

II 1900-48-3P

Fit SIN (Synthetic preparation): PRED (Preparation) |
(prepar Absolute store chemistry. Double bond geometry as shown.

 $= \sqrt{\frac{s}{s + 1}}$ HN. CH2C:

| 11 | ANSWER 8 OF 9 | CAPLUS | COPYRIGHT 2002 ACS | ACCESSION NUMBER: | 1981:202464 | CAPLUS | COCUMENT NUMBER: | 94:202464

TITLE: .alpha. (Aryldarhixamido) - gamma. -butyrolautones

r tential strythine antagonists Chakrabarti, Jiban K.: Cashin, Tolin H.: Sutton, ATTHOR (3): ORPORATE SCURCE: Lilly Res. Cent. Ltd., Windlesham/Surrey, 6920

6FH,

Engl. Eur. J. Med. Chem. - Chim. Ther. (1981), 16(2), SOURCE:

CODEN: EJMCA5; ISSN: 0009-4974 Journal DOCUMENT TYPE: English

LANDUAGE:

AB If id substituted Johnson try has they synthesized and evaluate has strychnine antarinists in mire, Labrha, aryliarb xamid: (e.s., I (1960-46-7)) and Labrha, arylitrat ximid: e.s., II (4047-95-4) derives showed m derate togod anticinvulsant activity. No irrelation

rrelation
between activity and stability of the lactime ring was demonstrated.

77 7694-22-5
Pit FOLD (B) [Pithal study)
(anti-nonvolgant)
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N Future and,
4 × 4 ([Tetrahydro 5,5 dimension of future) among),
ethyl setel (POL) (CA INDEX NAME)

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E+1-1-1H2- H2-1-NH

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Me TH CH-CH-C-NH Me
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STRUCTURE FILE UPDATES: 16 JAN 2002 HIGHEST RN 383858-27-3 DICTIONARY FILE UPDATES: 16 JAN 2002 HIGHEST RN 383858-27-3

TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> d his

(FILE 'HOME' ENTERED AT 16:21:30 ON 18 JAN 2002)

FILE 'REGISTRY' ENTERED AT 16:21:41 ON 18 JAN 2002 STRUCTURE UPLOADED 1.1 T.2 249 S L1 FUL L3 240 S L2 AND CAPLUS/LC L49 S L2 NOT L3 L_5 STRUCTURE UPLOADED L6 232 S L5 FUL L7 223 S L6 AND CAPLUS/LC L89 S L6 NOT L7 FILE 'CAPLUS' ENTERED AT 16:23:51 ON 18 JAN 2002

FILE 'CAPLUS' ENTERED AT 16:23:51 ON 18 JAN 2002 L9 58 S L7

FILE 'STNGUIDE' ENTERED AT 16:32:32 ON 18 JAN 2002

FILE 'REGISTRY' ENTERED AT 16:33:05 ON 18 JAN 2002 L10 17 S L2 NOT L6

FILE 'CAPLUS' ENTERED AT 16:33:29 ON 18 JAN 2002

L11 9 S L10

FILE 'REGISTRY' ENTERED AT 16:34:10 ON 18 JAN 2002

=> d 14 1-9

ANGMER I IF 9 REGISTRY CLEYPISHT 2000 ACR 1706/03/44 REGISTRY
Tetraderanamide, %-hydr xy N (tetrahydr -u- x,-%-f/(ranyl -u/m)) ICA INDEX NAME:
St TINDERU C16 H3/4 N C4 TOM TA

**FROPERTY DATA AVAILABLE IN THE "FROF" FORMAT"

ANGMER 3 OF 9 PEGISTRY COFFRIGHT 2002 Acts 156927-91-2 REMISTRY 3-Octemande, 5-{(2-angle-3-mercaptigr pyl)amino} 6 methyl-2-(1-methylpropyl)-N-(tetrahylpro-2-se-3 furanyl)-, {33-(3x(2s+(x)), 3x, 5x+(s+), 6x+)]] (901) (DA INDEX NAME) STEREOBERH C20 H37 N3 03 S COM CA

PECPERTY DATA AVAILABLE IN THE "FPIE" FORMAT

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PR PERTY DATA AVAILABLE IN THE "FRUE" FORMAT

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1 REFERENCES IN FILE "ACCL (FFLOR TO 1997)

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FILE 'CAPLUS' ENTERED AT 16:23:51 ON 18 JAN 2002 L9 58 S L7

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FILE 'REGISTRY' ENTERED AT 16:33:05 ON 18 JAN 2002 L10 17 S L2 NOT L6

FILE 'CAPLUS' ENTERED AT 16:33:29 ON 18 JAN 2002 L11 9 S L10

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PROPERTY DATA AVAILABLE IN THE "FROF" FORMAT

ANSWER 3 OF 9 REDISTRY COFYRIGHT 200L ACS 156027 01-2 REDISTRY 3-01-tenamide, 5-1(2-main -7-mercagt pr.py1) amin.]-6-methyl-2-(1-methylpropy1)-4-(1-tenhydr.-2-x.o-3-furany1)-7, [38-(38-[25-(81),36-58-(81),68-[])- (001) (CA INDEX NAME) STERESEARCH COO H97 N3 03 S COM CA

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1 REFERENCES IN FILE CAULD (PRIOR TO 1969)

L8 ANGWER 7 CF 9 REGISTRY COPYRIGHT 2001 ACS
RN 101873-16-9 RESISTRY

Demandiamide, N,N' bis(tetrabydro 2 ox 3 foranyl) (201) (CA INDEX NAME)

THER CA INDEX NAMES:
(N BULLYID and J. 2.2'- (sebas yldinminorbis(4-bydroky)

Ji- gamma - Lattine
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(*File montains numerically searchable property data)

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1 REFERENCES IN FILE "ALLS (PRILE TO 1967)

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LF ANGMEN R OF P RESISTRY COPYRIGHT 2000 ACS
EN 100876-01-7 RESISTRY

N FOUTHER ACM J.2* (addp-y)dimmin()Ero(4 hydroxy , di Jaamma. Fartone (601) (CA INDEX NAME)

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1 REFERENCES IN FILE CACLE (FRICK TO 1967)

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TSCA INFORMATION NOW CURRENT THROUGH July 7, 2001

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Calculated physical property data is now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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FILE COVERS 1907-1966 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> S L12

L13 1 L12

=> DIS L13 1 HITSTR

L12 ANSWER 1 OF 1 CACLS CORPERISH 2002 ACS IT 2308-97-6 90807-30-0 EN 2308-97-6 7ALLE EN 25007-30-0 CACLS EN 30007-30-0 CACLS EN 3

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LIS ANSWER LIFT: WALLS STEVEN HT 2000 ASS ASSESSION NUMBER: TABASSIZES TABLE TITLE: Kinetics of the helix-out transits outly Typestides in

s in. Schwarz, Sechard AUTHIR NAME:

=> DIS L13 1 IALL

ANSWER 296 OF 336 CAPLUS COPYRIGHT 2002 ACS

1986:28848 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER:

104:28848

TITLE:

.alpha.-Amino-.gamma.-butyrolactone derivatives and

pharmaceutical compositions containing them

INVENTOR(S):

Tessitore, Pietro Tomaso

PATENT ASSIGNEE(S):

Laboratorio Farmaceutico CT S.r.l., Italy

SOURCE:

Eur. Pat. Appl., 21 pp.

CODEN: EPXXDW

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-			
EP 151964	A2	19850821	EP 1985-100564	19850120
EP 151964	A3	19860305		
R: AT, BE,	CH, DE	, FR, GB,	IT, LI, LU, NL, SE	
PRIORITY APPLN. INFO.	. :		IT 1984-19390	19840202
GI				

NH(CH₂)_nCOR I

AΒ .alpha.-Amino-.gamma.-butyrolactone derivs. of formula I (where R = linear

or branched C4-8 alkyl; or R = OR1 where R1 = linear or branched C1-5 alkyl; n = 0 when R = alkyl; n = 1-5 when R = OR1) are prepd. and tested for their anticonvulsant, antiepileptic, and sedative actions. Thus, .alpha.-amino-.gamma.-butyrolactone, dissolved in pyridine, reacted with PrCOC1 at 0.degree. to form .alpha.-butyrylamino-.gamma.-butyrolactone (II), which had an LD50 in rats of >2 g/kg. The highest oral dose produced a sedative effect but did not cause loss of the righting reflex; however, the sedative effect was obtained with the lowest i.p. dose and

at

1 g/kg the righting reflex was lost. II was effective in protecting mice from death caused by strychnine injection and was as effective as phenobarbital in protecting mice from electroshock.

98426-48-3P 99063-14-6P 99740-62-2P

RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of, as central nervous system depressant and for treatment of alcoholism)

RN 98426-48-3 CAPLUS

CN Butanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME) 0 0 0 0 NH - C - Pr-n

RN 99063-14-6 CAPLUS

CN Pentanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

O O NH C-Bu-n

RN 99740-62-2 CAPLUS

CN Propanamide, 2-methyl-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

O O NH-- C-- Pr-i ANSWER 291 OF 336 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER:

1987:99288 CAPLUS

DOCUMENT NUMBER:

106:99288

TITLE:

Analogs of the autoinducer of bioluminescence in

Vibrio fischeri

AUTHOR(S):

Eberhard, Anatol; Widrig, Cindra A.; McBath, Paula;

Schineller, Jeffrey B.

CORPORATE SOURCE:

Dep. Chem., Ithaca Coll., Ithaca, NY, 14850, USA

SOURCE:

Arch. Microbiol. (1986), 146(1), 35-40

CODEN: AMICCW; ISSN: 0302-8933

DOCUMENT TYPE:

Journal

LANGUAGE:

English

The enzymes for luminescence in V. fischeri are induced only when a sufficient concn. of a metabolic product (autoinducer) specifically produced by this species accumulates. It has previously been shown that the autoinducer is 3-oxohexanoyl homoserine lactone and that it enters

the

cells by simple diffusion. To further study the mechanism of induction, several analogs of the autoinducer were synthesized and tested with V. fischeri for their inducing activity and for their ability to inhibit the action of the natural autoinducer. The compds. displayed various combinations of inducing and inhibiting abilities. None of the compds. tested appeared to have any effect on cells of V. harveyi strain MAV or Photobacterium leiognathi strain 721, but several of the compds.

decreased

light output by P. phosphoreum strain 8265. These studies show (1) the site of action of the autoinducer is not highly sterically constrained, (2) the autoinducers of other species of luminous bacteria are likely to be quite different from that of V. fischeri, and (3) a simple mode in which one autoinducer mol. binds to a single receptor protein site and thus, initiates luciferase synthesis if inadequate. The analogs should prove useful in the study of the binding site and mode of action of the autoinducer.

ΤТ 76924-95-3

RL: BIOL (Biological study)

(bioluminescence by Vibrio fischeri induction by, analogs effect on)

76924-95-3 CAPLUS RN

Hexanamide, 3-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME) CN

, == 0 0 0 NH C-CH2 C-Pr-n

76924-95-3D, derivs. 98318-13-9 98426-48-3 TΤ

99063-14-6 106983-26-0 106983-27-1

106983-28-2 106983-29-3 106983-30-6

106983-31-7 106983-32-8 106983-33-9

106983-34-0 106983-35-1 106983-36-2

106999-81-9

RL: BAC (Biological activity or effector, except adverse); BIOL

(Biological study)

(bioluminescence by Vibrio fischeri response to)

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RN 76924-95-3 CAPLUS
CN Hexanamide, 3-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)
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RN 98318-13-9 CAPLUS CN 4-Hexenamide, 3-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 98426-48-3 CAPLUS CN Butanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 99063-14-6 CAPLUS CN Pentanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-26-0 CAPLUS CN Heptanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-27-1 CAPLUS CN Octanamide, 3-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-28-2 CAPLUS CN Hexanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-29-3 CAPLUS CN Butanamide, 3-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-30-6 CAPLUS CN Octanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-31-7 CAPLUS CN Octanamide, 2-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-32-8 CAPLUS CN Nonanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-33-9 CAPLUS CN Butanamide, 2-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-34-0 CAPLUS
CN Butanoic acid, 4-oxo-4-[(tetrahydro-2-oxo-3-furanyl)amino]-, methyl ester (9CI) (CA INDEX NAME)

RN 106983-35-1 CAPLUS CN Hexanamide, 2-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106983-36-2 CAPLUS
CN Decanamide, N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)

RN 106999-81-9 CAPLUS
CN Hexanamide, 5-oxo-N-(tetrahydro-2-oxo-3-furanyl)- (9CI) (CA INDEX NAME)